Start	1075	End	1800
GI	none	Score	113
Exons	1075..1176, 1075..1185, 1077..1193, 1261..1626, 1263..1463, 1268..1627, 1408..1629, 1707..1799, 1707..1799, 1708..1800, 1708..1800		

Seq. No.	41798	Seq. ID	OJ000102_41.0310.C9
Gene No.	86799	Strand	-
Start	1708	End	2403
Name	OJ000102_41.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	1260	End	1638
GI	none	Score	62
Exons	1260..1352, 1262..1351, 1367..1627, 1380..1637, 1381..1638		

Seq. No.	41798	Seq. ID	OJ000102_41.0310.C9
Gene No.	86799	Strand	-
Start	1708	End	2403
Name	OJ000102_41.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	1399	End	1632
GI	none	Score	100
Exons	1399..1632, 1400..1618		

Seq. No.	41798	Seq. ID	OJ000102_41.0310.C9
Gene No.	86799	Strand	-
Start	1708	End	2403
Name	OJ000102_41.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	1696	End	2004
GI	none	Score	67
Exons	1696..1773, 1701..1790, 1867..2004, 1868..2002		

Seq. No.	41798	Seq. ID	OJ000102_41.0310.C9
Gene No.	86799	Strand	-
Start	1708	End	2403
Name	OJ000102_41.0310.C9.o1.gp	Method	AAT/GAP
Start	1708	End	2403
GI	58331_1.R1084	Score	682
Exons	1708..1789, 1869..1923, 2045..2237, 2343..2403		
GI Descrip.	'4741194/emb|CAB41860.1| 2.0e-36 (AL049746) ABC transporter-like protein [Arabidopsis thaliana]'		

Seq. No.	41798	Seq. ID	OJ000102_41.0310.C9
Gene No.	86799	Strand	-
Start	1708	End	2403
Name	OJ000102_41.0310.C9.o3.tm	Method	TBLASTX:Maize
Start	1876	End	2201
GI	none	Score	75
Exons	1876..1998, 1877..1996, 2073..2201, 2088..2177		

Seq. No.	41799	Seq. ID	OJ000102_41.0310.C14
Gene No.	86800	Strand	
Start	530	End	687
Name	OJ000102_41.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	530	End	687
GI	none	Score	102
Exons	530..673, 546..683, 546..683, 547..687		

Seq. No.	41800	Seq. ID	OJ000102_41.0310.C19

Gene No.	86801	Strand	
Start	173	End	1081
Name	OJ000102_41.0310.C19.o1.tc	Method	TBLASTX:Cress
Start	173	End	1055
GI	none	Score	209
Exons	173..361, 456..602, 974..1054, 975..1055		

Seq. No.	41800	Seq. ID	OJ000102_41.0310.C19
Gene No.	86801	Strand	
Start	173	End	1081
Name	OJ000102_41.0310.C19.o1.ts	Method	TBLASTX:Soybean
Start	173	End	1081
GI	none	Score	169
Exons	173..361, 462..602, 971..1078, 975..1079, 998..1081		

Seq. No.	41800	Seq. ID	OJ000102_41.0310.C19
Gene No.	86801	Strand	
Start	173	End	1081
Name	OJ000102_41.0310.C19.o1.tm	Method	TBLASTX:Maize
Start	173	End	602
GI	none	Score	222
Exons	173..361, 456..602, 495..602		

Seq. No.	41801	Seq. ID	OJ000102_41.0310.C20
Gene No.	86802	Strand	+
Start	5590	End	5789
Name	OJ000102_41.0310.C20.o2.gp	Method	AAT/GAP
Start	5590	End	5789
GI	3106969	Score	372
Exons	5590..5789		

Seq. No.	41801	Seq. ID	OJ000102_41.0310.C20
Gene No.	86803	Strand	-
Start	3335	End	4438
Name	OJ000102_41.0310.C20.o2.tm	Method	TBLASTX:Maize
Start	34	End	3504
GI	none	Score	60
Exons	34..96, 158..220, 177..221, 3063..3143, 3064..3153, 3065..3145, 3226..3318, 3227..3319, 3228..3320, 3445..3504, 3446..3502		

Seq. No.	41801	Seq. ID	OJ000102_41.0310.C20
Gene No.	86803	Strand	-
Start	3335	End	4438
Name	OJ000102_41.0310.C20.o1.tm	Method	TBLASTX:Maize
Start	381	End	4438
GI	none	Score	42
Exons	381..455, 573..596, 594..620, 3505..3543, 3506..3559, 3679..3741, 3681..3764, 3683..3766, 3684..3764, 3922..4038, 3924..4034, 3935..4042, 4163..4237, 4166..4234, 4174..4242, 4354..4437, 4354..4437, 4364..4438		

Seq. No.	41801	Seq. ID	OJ000102_41.0310.C20
Gene No.	86803	Strand	-
Start	3335	End	4438
Name	OJ000102_41.0310.C20.o1.gp	Method	AAT/GAP
Start	3335	End	4087
GI	2427264	Score	824

Exons	3335..3542, 3679..3763, 3922..4087		
GI Descrip.	3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]		
Seq. No.	41802	Seq. ID	OJ000102_41.0310.C21
Gene No.	86804	Strand	-
Start	1115	End	4153
Name	OJ000102_41.0310.C21.o1.ts	Method	TBLASTX:Soybean
Start	1007	End	4003
GI	none	Score	78
Exons	1007..1168, 1011..1295, 1021..1263, 1243..1320, 1272..1319, 1959..2171, 1961..2176, 1964..2170, 2258..2341, 2259..2315, 2718..2831, 3768..3842, 3785..3835, 3964..4002, 3965..4003		
Seq. No.	41802	Seq. ID	OJ000102_41.0310.C21
Gene No.	86804	Strand	-
Start	1115	End	4153
Name	OJ000102_41.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	1013	End	4023
GI	none	Score	227
Exons	1013..1159, 1014..1262, 1015..1263, 1015..1263, 1017..1331, 1274..1321, 1962..2171, 1963..2172, 1964..2170, 2258..2347, 2259..2315, 2261..2317, 2718..2864, 2721..2828, 2722..2832, 3766..3834, 3767..3835, 3768..3836, 3957..3983, 3960..3998, 3964..4023, 3964..4014		
Seq. No.	41802	Seq. ID	OJ000102_41.0310.C21
Gene No.	86804	Strand	-
Start	1115	End	4153
Name	OJ000102_41.0310.C21.o1.tc	Method	TBLASTX:Cress
Start	1015	End	4003
GI	none	Score	243
Exons	1015..1263, 1017..1286, 1017..1340, 1276..1320, 1959..2171, 1961..2176, 1964..2170, 2261..2347, 2262..2315, 2718..2864, 3768..3842, 3785..3838, 3956..4003, 3964..4002		
Seq. No.	41802	Seq. ID	OJ000102_41.0310.C21
Gene No.	86804	Strand	-
Start	1115	End	4153
Name	OJ000102_41.0310.C21.o1.gp	Method	AAT/GAP
Start	1115	End	4153
GI	15680_2.R1084	Score	1632
Exons	1115..1320, 1965..2173, 2261..2347, 2721..2831, 3768..3835, 3963..4153		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		
Seq. No.	41803	Seq. ID	OJ000102_41.0310.C22
Gene No.	86805	Strand	
Start	1169	End	1512
Name	OJ000102_41.0310.C22.o3.tw	Method	TBLASTX:Wheat
Start	1169	End	1512
GI	none	Score	52
Exons	1169..1342, 1221..1313, 1350..1409, 1352..1402, 1405..1512		
Seq. No.	41803	Seq. ID	OJ000102_41.0310.C22
Gene No.	86806	Strand	

Start	1516	End	2458
Name	OJ000102_41.0310.C22.o2.tw	Method	TBLASTX:Wheat
Start	1516	End	1893
GI	none	Score	64
Exons	1516..1656, 1526..1645, 1584..1661, 1654..1893		

Seq. No.	41803	Seq. ID	OJ000102_41.0310.C22
Gene No.	86806	Strand	
Start	1516	End	2458
Name	OJ000102_41.0310.C22.o1.ts	Method	TBLASTX:Soybean
Start	1666	End	2091
GI	none	Score	295
Exons	1666..2091		

Seq. No.	41803	Seq. ID	OJ000102_41.0310.C22
Gene No.	86806	Strand	
Start	1516	End	2458
Name	OJ000102_41.0310.C22.o2.tm	Method	TBLASTX:Maize
Start	1819	End	2202
GI	none	Score	85
Exons	1819..2202, 1820..2035		

Seq. No.	41803	Seq. ID	OJ000102_41.0310.C22
Gene No.	86806	Strand	
Start	1516	End	2458
Name	OJ000102_41.0310.C22.o1.tw	Method	TBLASTX:Wheat
Start	1942	End	2361
GI	none	Score	81
Exons	1942..2361, 1943..2035, 2201..2287		

Seq. No.	41803	Seq. ID	OJ000102_41.0310.C22
Gene No.	86806	Strand	
Start	1516	End	2458
Name	OJ000102_41.0310.C22.o1.tm	Method	TBLASTX:Maize
Start	2230	End	2458
GI	none	Score	146
Exons	2230..2457, 2231..2458, 2375..2458		

Seq. No.	41804	Seq. ID	OJ000102_41.0310.C23
Gene No.	86807	Strand	+
Start	1239	End	1391
Name	OJ000102_41.0310.C23.o1.tw	Method	TBLASTX:Wheat
Start	1	End	732
GI	none	Score	66
Exons	1..99, 1..219, 2..130, 277..513, 287..511, 550..732, 551..724		

Seq. No.	41804	Seq. ID	OJ000102_41.0310.C23
Gene No.	86807	Strand	+
Start	1239	End	1391
Name	OJ000102_41.0310.C23.o1.gp	Method	AAT/GAP
Start	1239	End	1391
GI	uC-osflcyp177g01a1	Score	235
Exons	1239..1391		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	41804	Seq. ID	OJ000102_41.0310.C23

Gene No.	86808	Strand	
Start	2815	End	3105
Name	OJ000102_41.0310.C23.o2.tw	Method	TBLASTX:Wheat
Start	2815	End	3105
GI	none	Score	218
Exons	2815..3105, 2997..3068		

Seq. No.	41805	Seq. ID	OJ000102_41.0310.C29
Gene No.	86809	Strand	
Start	1680	End	2470
Name	OJ000102_41.0310.C29.o1.tc	Method	TBLASTX:Cress
Start	1680	End	2387
GI	none	Score	265
Exons	1680..2123, 1766..2005, 2057..2107, 2109..2387, 2178..2291		

Seq. No.	41805	Seq. ID	OJ000102_41.0310.C29
Gene No.	86809	Strand	
Start	1680	End	2470
Name	OJ000102_41.0310.C29.o1.tm	Method	TBLASTX:Maize
Start	1680	End	2470
GI	none	Score	103
Exons	1680..1844, 1766..2020, 1878..2126, 2055..2084, 2057..2125, 2142..2387, 2144..2230, 2163..2294, 2285..2437, 2390..2470		

Seq. No.	41805	Seq. ID	OJ000102_41.0310.C29
Gene No.	86809	Strand	
Start	1680	End	2470
Name	OJ000102_41.0310.C29.o1.ts	Method	TBLASTX:Soybean
Start	1761	End	2470
GI	none	Score	268
Exons	1761..2126, 1763..2020, 2057..2107, 2109..2387, 2144..2227, 2390..2470		

Seq. No.	41806	Seq. ID	OJ000102_41.0310.C31
Gene No.	86810	Strand	+
Start	42	End	433
Name	OJ000102_41.0310.C31.o1.gp	Method	AAT/GAP
Start	42	End	433
GI	60270_1.R1084	Score	751
Exons	42..433		
GI Descrip.	'3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]'		

Seq. No.	41807	Seq. ID	OJ000102_41.0310.C42
Gene No.	86811	Strand	
Start	69	End	695
Name	OJ000102_41.0310.C42.o1.tm	Method	TBLASTX:Maize
Start	69	End	695
GI	none	Score	223
Exons	69..254, 71..244, 384..491, 384..491, 385..507, 388..492, 576..695, 584..694		

Seq. No.	41807	Seq. ID	OJ000102_41.0310.C42
Gene No.	86811	Strand	
Start	69	End	695
Name	OJ000102_41.0310.C42.o1.tc	Method	TBLASTX:Cress
Start	75	End	695

GI	none	Score	212
Exons	75..239, 84..245, 92..250, 384..515, 388..492, 576..695, 584..694		

Seq. No.	41807	Seq. ID	OJ000102_41.0310.C42
Gene No.	86811	Strand	
Start	69	End	695
Name	OJ000102_41.0310.C42.o1.ts	Method	TBLASTX:Soybean
Start	168	End	695
GI	none	Score	88
Exons	168..245, 384..491, 384..515, 388..492, 576..695, 584..694		

Seq. No.	41808	Seq. ID	OJ000102_41.0310.C43
Gene No.	86812	Strand	
Start	241	End	2275
Name	OJ000102_41.0310.C43.o1.ts	Method	TBLASTX:Soybean
Start	241	End	1856
GI	none	Score	229
Exons	241..432, 242..457, 284..457, 859..942, 869..967, 998..1141, 1003..1143, 1236..1361, 1668..1853, 1682..1855, 1686..1856		

Seq. No.	41808	Seq. ID	OJ000102_41.0310.C43
Gene No.	86812	Strand	
Start	241	End	2275
Name	OJ000102_41.0310.C43.o1.tm	Method	TBLASTX:Maize
Start	259	End	2275
GI	none	Score	296
Exons	259..456, 269..457, 269..457, 270..461, 838..1047, 869..973, 986..1141, 993..1145, 1021..1143, 1229..1363, 1236..1367, 1240..1368, 1445..1546, 1446..1535, 1676..1855, 1680..1856, 1681..1872, 1683..1856, 1944..2114, 1996..2115, 1997..2116, 2191..2274, 2225..2275		

Seq. No.	41808	Seq. ID	OJ000102_41.0310.C43
Gene No.	86812	Strand	
Start	241	End	2275
Name	OJ000102_41.0310.C43.o2.tc	Method	TBLASTX:Cress
Start	392	End	1143
GI	none	Score	71
Exons	392..457, 850..951, 869..961, 1009..1143, 1022..1141		

Seq. No.	41808	Seq. ID	OJ000102_41.0310.C43
Gene No.	86812	Strand	
Start	241	End	2275
Name	OJ000102_41.0310.C43.o1.tc	Method	TBLASTX:Cress
Start	1278	End	2116
GI	none	Score	66
Exons	1278..1388, 1668..1856, 1679..1852, 1995..2114, 1997..2116		

Seq. No.	41809	Seq. ID	OJ000102_41.0310.C47
Gene No.	86813	Strand	+
Start	4526	End	4885
Name	OJ000102_41.0310.C47.o1.gp	Method	AAT/GAP
Start	4526	End	4885
GI	none	Score	672
Exons	4526..4885		

Seq. No.	41810	Seq. ID	OJ000102_41.0310.C48
Gene No.	86814	Strand	
Start	1	End	845
Name	OJ000102_41.0310.C48.o1.tm	Method	TBLASTX:Maize
Start	1	End	845
GI	none	Score	84
Exons	1..66, 3..68, 3..68, 49..198, 583..687, 584..691, 587..688,	71..190, 768..845,	145..195, 580..687, 769..837

Seq. No.	41811	Seq. ID	OJ000102_41.0310.C49
Gene No.	86815	Strand	-
Start	269	End	486
Name	OJ000102_41.0310.C49.o1.gp	Method	AAT/GAP
Start	269	End	486
GI	none	Score	381
Exons	269..486		

Seq. No.	41812	Seq. ID	OJ000122_40.0317.C1
Gene No.	86816	Strand	-
Start	1	End	642
Name	OJ000122_40.0317.C1.o1.np	Method	AAT/NAP
Start	1	End	642
GI	2498930	Score	739
Exons	1..411, 579..642		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	41812	Seq. ID	OJ000122_40.0317.C1
Gene No.	86816	Strand	-
Start	1	End	642
Name	OJ000122_40.0317.C1.o1.gs	Method	GENSCAN
Start	17	End	638
GI	none	Score	1
Exons	17..411, 579..638		

Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	1908
GI	5902445	Score	2779
Exons	1..1908		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o4.tm	Method	TBLASTX:Maize
Start	125	End	370
GI	none	Score	113
Exons	125..268, 272..370		

Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o3.tw	Method	TBLASTX:Wheat
Start	140	End	547

GI	none	Score	361
Exons	140..547, 184..402		
Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o1.gs	Method	GENSCAN
Start	161	End	679
GI	none	Score	.75
Exons	161..679		
Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	175	End	423
GI	none	Score	186
Exons	175..423, 179..421		
Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	778	End	1141
GI	none	Score	428
Exons	778..1086, 779..1087, 1094..1141		
Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	784	End	1171
GI	none	Score	403
Exons	784..1095, 785..1171, 980..1171		
Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o2.gs	Method	GENSCAN
Start	1079	End	1433
GI	none	Score	.53
Exons	1079..1433		
Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o3.tm	Method	TBLASTX:Maize
Start	1252	End	1515
GI	none	Score	88
Exons	1252..1341, 1254..1340, 1332..1406, 1336..1419, 1429..1515		
Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o2.tw	Method	TBLASTX:Wheat
Start	1285	End	1896
GI	none	Score	260

Exons	1285..1545, 1305..1394, 1435..1464, 1446..1547, 1597..1776, 1768..1896		
Seq. No.	41813	Seq. ID	OJ000122_40.0317.C2
Gene No.	86817	Strand	+
Start	1	End	1908
Name	OJ000122_40.0317.C2.o2.tm	Method	TBLASTX:Maize
Start	1597	End	1860
GI	none	Score	168
Exons	1597..1779, 1653..1778, 1758..1859, 1758..1859, 1759..1860		
Seq. No.	41814	Seq. ID	OJ000122_40.0317.C3
Gene No.	86818	Strand	-
Start	82	End	1898
Name	OJ000122_40.0317.C3.o1.np	Method	AAT/NAP
Start	82	End	1898
GI	6691716	Score	577
Exons	82..521, 595..717, 1856..1898		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	41814	Seq. ID	OJ000122_40.0317.C3
Gene No.	86818	Strand	-
Start	82	End	1898
Name	OJ000122_40.0317.C3.o1.gs	Method	GENSCAN
Start	189	End	521
GI	none	Score	.66
Exons	189..521		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86819	Strand	+
Start	7085	End	10478
Name	OJ000122_40.0317.C4.o1.gp	Method	AAT/GAP
Start	7085	End	7498
GI	5816562	Score	656
Exons	7085..7498		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86819	Strand	+
Start	7085	End	10478
Name	OJ000122_40.0317.C4.o2.gs	Method	GENSCAN
Start	7085	End	10478
GI	none	Score	.71
Exons	7085..7113, 7496..7779, 8373..8508, 8958..9546, 9768..10478		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86819	Strand	+
Start	7085	End	10478
Name	OJ000122_40.0317.C4.o2.np	Method	AAT/NAP
Start	7496	End	7887
GI	6630685	Score	528
Exons	7496..7887		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86820	Strand	+
Start	14450	End	26911
Name	OJ000122_40.0317.C4.o4.np	Method	AAT/NAP
Start	14450	End	26911
GI	4378066	Score	2459
Exons	14450..14618, 16381..20109, 25902..26911		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86820	Strand	+
Start	14450	End	26911
Name	OJ000122_40.0317.C4.o2.gp	Method	AAT/GAP
Start	20109	End	20412
GI	72524_1.R1084	Score	410
Exons	20109..20412		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86820	Strand	+
Start	14450	End	26911
Name	OJ000122_40.0317.C4.o5.gs	Method	GENSCAN
Start	23503	End	23658
GI	none	Score	.91
Exons	23503..23658		

Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86821	Strand	-
Start	1921	End	6050
Name	OJ000122_40.0317.C4.o1.gs	Method	GENSCAN
Start	1921	End	6050
GI	none	Score	.75
Exons	1921..1988, 2367..2574, 4170..4369, 4424..4710, 4787..5079, 5166..5367, 5416..6050		

Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86821	Strand	-
Start	1921	End	6050
Name	OJ000122_40.0317.C4.o1.np	Method	AAT/NAP
Start	2300	End	6050
GI	6691716	Score	1738
Exons	2300..2342, 3986..4095, 4170..4364, 4424..4710, 4787..4964, 5162..6050		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86822	Strand	-
Start	11220	End	14012
Name	OJ000122_40.0317.C4.o3.gs	Method	GENSCAN
Start	11220	End	14012
GI	none	Score	.42

Exons	11220..11319, 13255..13719, 13846..14012		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o7.tw	Method	TBLASTX:Wheat
Start	5640	End	30503
GI	none	Score	77
Exons	5640..5930, 30330..30503		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	7489	End	7890
GI	none	Score	393
Exons	7489..7671, 7497..7760, 7498..7767, 7499..7747, 7592..7768, 7596..7766, 7737..7823, 7756..7884, 7777..7890		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	7503	End	7745
GI	none	Score	119
Exons	7503..7649, 7656..7745		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o5.tm	Method	TBLASTX:Maize
Start	13353	End	13706
GI	none	Score	69
Exons	13353..13706, 13368..13613		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o4.tw	Method	TBLASTX:Wheat
Start	13512	End	13907
GI	none	Score	65
Exons	13512..13904, 13807..13905, 13809..13907		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o6.tw	Method	TBLASTX:Wheat
Start	17623	End	17982
GI	none	Score	65
Exons	17623..17712, 17760..17981, 17761..17982		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o1.tw	Method	TBLASTX:Wheat
Start	18211	End	18593
GI	none	Score	300

Exons	18211..18513, 18211..18504, 18237..18515, 18506..18592, 18510..18593		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o3.tm	Method	TBLASTX:Maize
Start	18315	End	18650
GI	none	Score	240
Exons	18315..18512, 18316..18513, 18387..18521, 18507..18599, 18513..18650		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o2.tw	Method	TBLASTX:Wheat
Start	18595	End	18990
GI	none	Score	187
Exons	18595..18774, 18596..18781, 18780..18884, 18781..18990		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o4.tm	Method	TBLASTX:Maize
Start	18652	End	18897
GI	none	Score	138
Exons	18652..18792, 18653..18781, 18781..18897		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	18662	End	19034
GI	none	Score	116
Exons	18662..18781, 18679..18774, 18781..18999, 18924..19034		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o3.tw	Method	TBLASTX:Wheat
Start	19266	End	19698
GI	none	Score	303
Exons	19266..19691, 19267..19698		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o6.gs	Method	GENSCAN
Start	25296	End	31166
GI	none	Score	.73
Exons	25296..25402, 25963..26323, 27268..27504, 27976..28449, 28529..28666, 28765..29304, 29338..30261, 30393..30506, 30554..30658, 30853..30959, 31112..31166		
Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166

Name	OJ000122_40.0317.C4.o4.gp	Method	AAT/GAP
Start	25453	End	25762
GI	72524_1.R1084	Score	399
Exons	25453..25762		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	25957	End	26320
GI	none	Score	341
Exons	25957..26319, 25958..26311, 26198..26320		

Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o3.ts	Method	TBLASTX:Soybean
Start	25961	End	26335
GI	none	Score	93
Exons	25961..26104, 26111..26335		

Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o5.tw	Method	TBLASTX:Wheat
Start	26045	End	26422
GI	none	Score	137
Exons	26045..26236, 26066..26224, 26228..26422		

Seq. No.	41815	Seq. ID	OJ000122_40.0317.C4
Gene No.	86823	Strand	-
Start	25296	End	31166
Name	OJ000122_40.0317.C4.o6.tm	Method	TBLASTX:Maize
Start	26600	End	26860
GI	none	Score	190
Exons	26600..26860, 26662..26835		

Seq. No.	41816	Seq. ID	OJ000122_40.0317.C5
Gene No.	86824	Strand	+
Start	3684	End	5337
Name	OJ000122_40.0317.C5.o1.np	Method	AAT/NAP
Start	3684	End	5337
GI	7248393	Score	182
Exons	3684..3968, 5280..5337		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	41816	Seq. ID	OJ000122_40.0317.C5
Gene No.	86825	Strand	+
Start	13260	End	13846
Name	OJ000122_40.0317.C5.o1.gp	Method	AAT/GAP
Start	13260	End	13846
GI	4879016	Score	837
Exons	13260..13406, 13428..13846		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence,		

complete sequence

Seq. No.	41816	Seq. ID	OJ000122_40.0317.C5
Gene No.	86826	Strand	-
Start	1420	End	1887
Name	OJ000122_40.0317.C5.o1.gs	Method	GENSCAN
Start	1420	End	1887
GI	none	Score	.71
Exons	1420..1887		

Seq. No.	41816	Seq. ID	OJ000122_40.0317.C5
Gene No.	86827	Strand	-
Start	4289	End	5949
Name	OJ000122_40.0317.C5.o2.np	Method	AAT/NAP
Start	4289	End	5949
GI	6907086	Score	1226
Exons	4289..4651, 4884..5122, 5183..5949		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41816	Seq. ID	OJ000122_40.0317.C5
Gene No.	86828	Strand	-
Start	6656	End	21005
Name	OJ000122_40.0317.C5.o3.np	Method	AAT/NAP
Start	6656	End	21005
GI	4680186	Score	197
Exons	6656..7071, 7526..7587, 17958..18048, 19256..19374, 20954..21005		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	41816	Seq. ID	OJ000122_40.0317.C5
Gene No.	86828	Strand	-
Start	6656	End	21005
Name	OJ000122_40.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	12288	End	12611
GI	none	Score	99
Exons	12288..12479, 12495..12611		

Seq. No.	41816	Seq. ID	OJ000122_40.0317.C5
Gene No.	86828	Strand	-
Start	6656	End	21005
Name	OJ000122_40.0317.C5.o5.gs	Method	GENSCAN
Start	17894	End	18454
GI	none	Score	.97
Exons	17894..18316, 18374..18454		

Seq. No.	41816	Seq. ID	OJ000122_40.0317.C5
Gene No.	86828	Strand	-
Start	6656	End	21005
Name	OJ000122_40.0317.C5.o2.gp	Method	AAT/GAP
Start	18119	End	18849
GI	4969338	Score	795
Exons	18119..18271, 18374..18510, 18704..18849		

Seq. No.	41817	Seq. ID	OJ000122_40.0317.C6
Gene No.	86829	Strand	+
Start	594	End	785
Name	OJ000122_40.0317.C6.o1.gs	Method	GENSCAN
Start	594	End	785

GI	none	Score	.77
Exons	594..785		

Seq. No.	41817	Seq. ID	OJ000122_40.0317.C6
Gene No.	86830	Strand	+
Start	1940	End	2163
Name	OJ000122_40.0317.C6.o1.np	Method	AAT/NAP
Start	1940	End	2163
GI	4680186	Score	247
Exons	1940..2163		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	41817	Seq. ID	OJ000122_40.0317.C6
Gene No.	86831	Strand	-
Start	1710	End	2091
Name	OJ000122_40.0317.C6.o1.gp	Method	AAT/GAP
Start	1710	End	2091
GI	uC-osflcyp033a04b1	Score	623
Exons	1710..2091		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41817	Seq. ID	OJ000122_40.0317.C6
Gene No.	86832	Strand	-
Start	2556	End	4322
Name	OJ000122_40.0317.C6.o2.np	Method	AAT/NAP
Start	2556	End	4322
GI	6907087	Score	823
Exons	2556..2657, 3198..3899, 3946..4322		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86833	Strand	+
Start	718	End	2667
Name	OJ000122_40.0317.C7.o2.np	Method	AAT/NAP
Start	718	End	2667
GI	4680186	Score	243
Exons	718..805, 2439..2667		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86834	Strand	+
Start	6169	End	11296
Name	OJ000122_40.0317.C7.o2.gs	Method	GENSCAN
Start	6169	End	11216
GI	none	Score	.63
Exons	6169..6287, 6322..6430, 6966..7196, 7331..7541, 7649..8244, 8269..9059, 9116..9378, 9383..9543, 9649..9794, 10031..10346, 10407..11216		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86834	Strand	+
Start	6169	End	11296
Name	OJ000122_40.0317.C7.o4.np	Method	AAT/NAP
Start	8530	End	11296

GI	7489805	Score	1182
Exons	8530..8956, 9160..10527, 11256..11296		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86835	Strand	-
Start	1	End	935
Name	OJ000122_40.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	935
GI	6983860	Score	576
Exons	1..935		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86836	Strand	-
Start	2214	End	2595
Name	OJ000122_40.0317.C7.o1.gp	Method	AAT/GAP
Start	2214	End	2595
GI	uC-osflcyp033a04b1	Score	607
Exons	2214..2595		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86837	Strand	-
Start	3060	End	4813
Name	OJ000122_40.0317.C7.o3.np	Method	AAT/NAP
Start	3060	End	4813
GI	6907087	Score	841
Exons	3060..3161, 3703..4278, 4317..4813		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o3.tm	Method	TBLASTX:Maize
Start	198	End	485
GI	none	Score	67
Exons	198..485, 394..483		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o3.tw	Method	TBLASTX:Wheat
Start	378	End	737
GI	none	Score	147
Exons	378..737, 442..735		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o5.tw	Method	TBLASTX:Wheat
Start	7648	End	7986

GI	none	Score	178
Exons	7648..7986		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o4.tw	Method	TBLASTX:Wheat
Start	8776	End	9338
GI	none	Score	78
Exons	8776..8904, 8914..9105, 9116..9337, 9117..9338		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o2.tw	Method	TBLASTX:Wheat
Start	9535	End	9904
GI	none	Score	145
Exons	9535..9756, 9561..9755, 9756..9902, 9757..9891, 9758..9904, 9765..9902		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o2.tm	Method	TBLASTX:Maize
Start	9664	End	10034
GI	none	Score	86
Exons	9664..9759, 9758..10033, 9759..10034		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	9905	End	10322
GI	none	Score	426
Exons	9905..10072, 9915..10322, 9915..10136, 10106..10321		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	10062	End	10445
GI	none	Score	387
Exons	10062..10445, 10085..10432		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	10164	End	10505
GI	none	Score	236
Exons	10164..10505, 10214..10339		

Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o6.tw	Method	TBLASTX:Wheat
Start	10641	End	11180

GI	none	Score	90
Exons	10641..10760, 10788..10919, 11112..11180		
Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o4.tm	Method	TBLASTX:Maize
Start	10686	End	10928
GI	none	Score	196
Exons	10686..10928		
Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o5.tm	Method	TBLASTX:Maize
Start	10935	End	11195
GI	none	Score	186
Exons	10935..11195, 11036..11170		
Seq. No.	41818	Seq. ID	OJ000122_40.0317.C7
Gene No.	86838	Strand	-
Start	11517	End	11623
Name	OJ000122_40.0317.C7.o3.gs	Method	GENSCAN
Start	11517	End	11623
GI	none	Score	.74
Exons	11517..11623		
Seq. No.	41819	Seq. ID	OJ000122_40.0317.C8
Gene No.	86839	Strand	-
Start	1	End	1291
Name	OJ000122_40.0317.C8.o1.np	Method	AAT/NAP
Start	1	End	897
GI	7523502	Score	167
Exons	1..19, 425..517, 785..897		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	41819	Seq. ID	OJ000122_40.0317.C8
Gene No.	86839	Strand	-
Start	1	End	1291
Name	OJ000122_40.0317.C8.o1.gs	Method	GENSCAN
Start	126	End	1291
GI	none	Score	.46
Exons	126..264, 338..566, 1225..1291		
Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86840	Strand	+
Start	2912	End	3648
Name	OJ000122_40.0317.C9.o1.gp	Method	AAT/GAP
Start	2912	End	3648
GI	101153_1.R1084	Score	667
Exons	2912..3101, 3419..3648		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86841	Strand	+
Start	4566	End	4840

Name	OJ000122_40.0317.C9.o2.gp	Method	AAT/GAP
Start	4566	End	4840
GI	61605_1.R1084	Score	468
Exons	4566..4840		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86842	Strand	+
Start	5672	End	6969
Name	OJ000122_40.0317.C9.o2.gs	Method	GENSCAN
Start	5672	End	6969
GI	none	Score	.68
Exons	5672..5692, 6474..6719, 6769..6969		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o2.ts	Method	TBLASTX:Soybean
Start	368	End	1032
GI	none	Score	267
Exons	368..625, 667..1032		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o1.gs	Method	GENSCAN
Start	374	End	4067
GI	none	Score	.58
Exons	374..596, 998..1400, 2525..3002, 3017..3174, 3986..4067		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o1.np	Method	AAT/NAP
Start	377	End	8965
GI	6630685	Score	2086
Exons	377..1778, 7727..7943, 7979..8965		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	395	End	1050
GI	none	Score	152
Exons	395..667, 405..674, 667..1050, 674..1042		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o4.tw	Method	TBLASTX:Wheat
Start	440	End	759
GI	none	Score	71
Exons	440..631, 440..616, 673..759		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o3.tw	Method	TBLASTX:Wheat
Start	796	End	1227
GI	none	Score	103
Exons	796..1053, 1078..1227		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o2.tm	Method	TBLASTX:Maize
Start	1165	End	1603
GI	none	Score	66
Exons	1165..1602, 1168..1281, 1178..1330, 1363..1599, 1367..1603		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	1403	End	7943
GI	5509260	Score	215
Exons	1403..1684, 1408..1686, 1666..1782, 1682..1765, 7731..7871, 7732..7854, 7893..7943, 7893..7943		
GI Descrip.	-		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o1.tw	Method	TBLASTX:Wheat
Start	1417	End	7815
GI	none	Score	182
Exons	1417..1686, 1427..1684, 1681..1746, 1682..1738, 1747..1773, 7713..7814, 7731..7814, 7735..7815		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o3.gp	Method	AAT/GAP
Start	4866	End	5038
GI	LIB3433-026-P1-K1-C1	Score	254
Exons	4866..5038		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o4.gp	Method	AAT/GAP
Start	5584	End	6016
GI	2428185	Score	676
Exons	5584..6016		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-

Start	374	End	8965
Name	OJ000122_40.0317.C9.o3.gs	Method	GENSCAN
Start	7944	End	8936
GI	none	Score	.5
Exons	7944..8188, 8333..8936		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o3.ts	Method	TBLASTX:Soybean
Start	8277	End	8702
GI	none	Score	160
Exons	8277..8369, 8391..8702, 8398..8685		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	8281	End	8685
GI	none	Score	63
Exons	8281..8379, 8283..8378, 8394..8684, 8599..8685		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o2.tw	Method	TBLASTX:Wheat
Start	8385	End	8918
GI	none	Score	69
Exons	8385..8465, 8484..8645, 8493..8918, 8785..8910		

Seq. No.	41820	Seq. ID	OJ000122_40.0317.C9
Gene No.	86843	Strand	-
Start	374	End	8965
Name	OJ000122_40.0317.C9.o3.tm	Method	TBLASTX:Maize
Start	8388	End	8876
GI	none	Score	292
Exons	8388..8732, 8389..8748, 8493..8771, 8809..8871, 8811..8876		

Seq. No.	41821	Seq. ID	OJ000122_40.0317.C10
Gene No.	86844	Strand	-
Start	64	End	1232
Name	OJ000122_40.0317.C10.o1.gs	Method	GENSCAN
Start	64	End	1232
GI	none	Score	.41
Exons	64..131, 174..345, 378..1232		

Seq. No.	41822	Seq. ID	OJ000122_40.0317.C11
Gene No.	86845	Strand	+
Start	1	End	12233
Name	OJ000122_40.0317.C11.o2.np	Method	AAT/NAP
Start	1	End	12233
GI	4826998	Score	48
Exons	1..140, 1638..1699, 2614..2658, 3903..4034, 12118..12233		
GI Descrip.	splicing factor proline/glutamine rich (polypyrimidine tract-binding protein-associated) gi|1709851|sp|P23246|PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR (PSF) gi|423054|pir||A46302 PTB-associated splicing factor, long form - human		

gi|38458|emb|CAA50283| (X70944) PTB-associated splicing factor [Homo sapiens]

Seq. No.	41822	Seq. ID	OJ000122_40.0317.C11
Gene No.	86846	Strand	-
Start	1	End	5325
Name	OJ000122_40.0317.C11.o1.np	Method	AAT/NAP
Start	1	End	494
GI	7523502	Score	132
Exons	1..125, 378..494		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41822	Seq. ID	OJ000122_40.0317.C11
Gene No.	86846	Strand	-
Start	1	End	5325
Name	OJ000122_40.0317.C11.o1.gs	Method	GENSCAN
Start	25	End	5325
GI	none	Score	.55
Exons	25..180, 694..878, 996..1072, 1361..1827, 1865..2221, 2316..3208, 3269..3301, 3390..3888, 3913..4292, 4427..4486, 4682..4790, 5257..5325		

Seq. No.	41822	Seq. ID	OJ000122_40.0317.C11
Gene No.	86847	Strand	-
Start	7048	End	9277
Name	OJ000122_40.0317.C11.o2.gs	Method	GENSCAN
Start	7048	End	9277
GI	none	Score	.71
Exons	7048..7286, 7391..7509, 9036..9277		

Seq. No.	41822	Seq. ID	OJ000122_40.0317.C11
Gene No.	86848	Strand	-
Start	10919	End	15366
Name	OJ000122_40.0317.C11.o3.gs	Method	GENSCAN
Start	10919	End	15366
GI	none	Score	.61
Exons	10919..11025, 12043..12220, 13676..13965, 14106..14173, 15287..15366		

Seq. No.	41822	Seq. ID	OJ000122_40.0317.C11
Gene No.	86849	Strand	-
Start	16341	End	16432
Name	OJ000122_40.0317.C11.o1.gp	Method	AAT/GAP
Start	16341	End	16432
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	16341..16432		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41823	Seq. ID	OJ000122_40.0317.C12
Gene No.	86850	Strand	+
Start	774	End	6677
Name	OJ000122_40.0317.C12.o1.np	Method	AAT/NAP
Start	774	End	6677
GI	7248395	Score	1385
Exons	774..804, 2380..2438, 3708..4744, 5582..6677		

GI Descrip. (AP001389) hypothetical protein [Oryza sativa]

Seq. No.	41823	Seq. ID	OJ000122_40.0317.C12
Gene No.	86851	Strand	+
Start	8770	End	8859
Name	OJ000122_40.0317.C12.o3.np	Method	AAT/NAP
Start	8770	End	8859
GI	4680183	Score	136
Exons	8770..8859		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	41823	Seq. ID	OJ000122_40.0317.C12
Gene No.	86852	Strand	+
Start	9806	End	14143
Name	OJ000122_40.0317.C12.o2.gs	Method	GENSCAN
Start	9806	End	14053
GI	none	Score	.88
Exons	9806..9984, 9993..10205, 10299..10476, 10866..10933, 11589..11662, 11921..11988, 12253..14053		

Seq. No.	41823	Seq. ID	OJ000122_40.0317.C12
Gene No.	86852	Strand	+
Start	9806	End	14143
Name	OJ000122_40.0317.C12.o4.np	Method	AAT/NAP
Start	11923	End	14143
GI	7228442	Score	2384
Exons	11923..14143		

GI Descrip. (AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]

Seq. No.	41823	Seq. ID	OJ000122_40.0317.C12
Gene No.	86853	Strand	-
Start	6971	End	7223
Name	OJ000122_40.0317.C12.o2.np	Method	AAT/NAP
Start	6971	End	7223
GI	7106513	Score	163
Exons	6971..7079, 7180..7223		

GI Descrip. (AP001278) hypothetical protein [Oryza sativa]

Seq. No.	41823	Seq. ID	OJ000122_40.0317.C12
Gene No.	86854	Strand	-
Start	8029	End	8139
Name	OJ000122_40.0317.C12.o1.gp	Method	AAT/GAP
Start	8029	End	8139
GI	uC-osf1cyp088b12b1	Score	150
Exons	8029..8139		

GI Descrip. '5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No.	41823	Seq. ID	OJ000122_40.0317.C12
Gene No.	86855	Strand	
Start	12952	End	13623
Name	OJ000122_40.0317.C12.o1.tm	Method	TBLASTX:Maize
Start	12952	End	13548
GI	none	Score	376
Exons	12952..13419, 12954..13079, 13131..13430, 13477..13548		

Seq. No.	41823	Seq. ID	OJ000122_40.0317.C12
Gene No.	86855	Strand	
Start	12952	End	13623
Name	OJ000122_40.0317.C12.o1.tw	Method	TBLASTX:Wheat
Start	13246	End	13623
GI	none	Score	194
Exons	13246..13395, 13248..13400, 13249..13425, 13449..13517, 13450..13623, 13457..13612		

Seq. No.	41824	Seq. ID	OJ000122_40.0317.C13
Gene No.	86856	Strand	+
Start	1	End	4894
Name	OJ000122_40.0317.C13.o1.np	Method	AAT/NAP
Start	1	End	4894
GI	7228438	Score	1163
Exons	1..34, 890..986, 1072..1469, 1550..1847, 1952..2213, 2306..2455, 3356..3449, 3896..4224, 4838..4894		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	41824	Seq. ID	OJ000122_40.0317.C13
Gene No.	86856	Strand	+
Start	1	End	4894
Name	OJ000122_40.0317.C13.o1.gs	Method	GENSCAN
Start	377	End	4346
GI	none	Score	.65
Exons	377..528, 604..758, 782..951, 1056..1278, 1351..1469, 1550..1632, 1647..1847, 1952..2213, 2306..2413, 2460..2561, 2676..2698, 2756..3071, 3078..3198, 3262..3515, 3904..4127, 4310..4346		

Seq. No.	41824	Seq. ID	OJ000122_40.0317.C13
Gene No.	86856	Strand	+
Start	1	End	4894
Name	OJ000122_40.0317.C13.o1.gp	Method	AAT/GAP
Start	643	End	2891
GI	LIB3433-020-P1-K1-A6	Score	745
Exons	643..685, 2506..2891		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	41824	Seq. ID	OJ000122_40.0317.C13
Gene No.	86856	Strand	+
Start	1	End	4894
Name	OJ000122_40.0317.C13.o1.tw	Method	TBLASTX:Wheat
Start	695	End	877
GI	none	Score	91
Exons	695..748, 709..759, 757..876, 758..877		

Seq. No.	41825	Seq. ID	OJ000122_40.0317.C14
Gene No.	86857	Strand	-
Start	3477	End	4037
Name	OJ000122_40.0317.C14.o1.np	Method	AAT/NAP
Start	3477	End	4037
GI	6573149	Score	779

Exons	3477..4037		
GI Descrip.	(AF201895) growth-regulating factor 1 [Oryza sativa]		
Seq. No.	41825	Seq. ID	OJ000122_40.0317.C14
Gene No.	86857	Strand	-
Start	3477	End	4037
Name	OJ000122_40.0317.C14.o1.gp	Method	AAT/GAP
Start	3482	End	4037
GI	6573148	Score	849
Exons	3482..4037		
GI Descrip.	4388731/gb|AAD19769| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86858	Strand	+
Start	433	End	635
Name	OJ000122_40.0317.C15.o1.gs	Method	GENSCAN
Start	433	End	635
GI	none	Score	.99
Exons	433..559, 604..635		
Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86859	Strand	+
Start	1719	End	1888
Name	OJ000122_40.0317.C15.o2.gp	Method	AAT/GAP
Start	1719	End	1888
GI	2280831	Score	226
Exons	1719..1888		
Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86860	Strand	+
Start	4800	End	7134
Name	OJ000122_40.0317.C15.o1.np	Method	AAT/NAP
Start	4770	End	6929
GI	7258357	Score	2364
Exons	4770..6929		
GI Descrip.	(AL138656) ABC transporter-like protein [Arabidopsis thaliana]		
Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86860	Strand	+
Start	4800	End	7134
Name	OJ000122_40.0317.C15.o3.gs	Method	GENSCAN
Start	4800	End	6932
GI	none	Score	1
Exons	4800..6932		
Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86860	Strand	+
Start	4800	End	7134
Name	OJ000122_40.0317.C15.o3.gp	Method	AAT/GAP
Start	6787	End	7134
GI	none	Score	668
Exons	6787..7134		
Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86861	Strand	+
Start	10801	End	14177

Name	OJ000122_40.0317.C15.o2.np	Method	AAT/NAP
Start	10801	End	14174
GI	7529278	Score	1883
Exons	10801..10929, 11823..14174		
GI Descrip.	(AL163491) putative protein [Arabidopsis thaliana]		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86861	Strand	+
Start	10801	End	14177
Name	OJ000122_40.0317.C15.o4.gp	Method	AAT/GAP
Start	11539	End	11589
GI	3061062	Score	61
Exons	11539..11589		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86861	Strand	+
Start	10801	End	14177
Name	OJ000122_40.0317.C15.o5.gs	Method	GENSCAN
Start	11664	End	14177
GI	none	Score	.98
Exons	11664..14177		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86862	Strand	-
Start	1955	End	3715
Name	OJ000122_40.0317.C15.o2.gs	Method	GENSCAN
Start	1955	End	3715
GI	none	Score	.59
Exons	1955..2095, 2972..3096, 3682..3715		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86863	Strand	
Start	4860	End	6924
Name	OJ000122_40.0317.C15.o5.ts	Method	TBLASTX:Soybean
Start	4860	End	5486
GI	none	Score	41
Exons	4860..4892, 4965..5012, 5085..5207, 5258..5314, 5259..5315, 5426..5476, 5427..5486		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86863	Strand	
Start	4860	End	6924
Name	OJ000122_40.0317.C15.o1.tc	Method	TBLASTX:Cress
Start	5265	End	6809
GI	none	Score	158
Exons	5265..5468, 5345..5431, 5565..5834, 5580..5834, 5850..5963, 5861..5956, 6621..6809		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86863	Strand	
Start	4860	End	6924
Name	OJ000122_40.0317.C15.o1.tm	Method	TBLASTX:Maize
Start	5286	End	6787
GI	none	Score	83
Exons	5286..5426, 5709..5813, 5996..6073, 5997..6785, 6176..6787, 6235..6786		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86863	Strand	
Start	4860	End	6924
Name	OJ000122_40.0317.C15.o1.ts	Method	TBLASTX:Soybean
Start	5316	End	6924
GI	none	Score	92
Exons	5316..5426, 5571..5864, 5622..5837, 5709..5813, 5807..5863, 5841..6134, 5844..5972, 5846..6073, 5862..5906, 6042..6272, 6176..6208, 6273..6878, 6305..6856, 6606..6815, 6664..6924		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86863	Strand	
Start	4860	End	6924
Name	OJ000122_40.0317.C15.o1.tw	Method	TBLASTX:Wheat
Start	5316	End	6410
GI	none	Score	77
Exons	5316..5411, 5345..5407, 5960..6073, 5961..6410, 6091..6405, 6135..6410		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86863	Strand	
Start	4860	End	6924
Name	OJ000122_40.0317.C15.o4.tm	Method	TBLASTX:Maize
Start	5427	End	5708
GI	none	Score	88
Exons	5427..5486, 5427..5708, 5559..5708		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86863	Strand	
Start	4860	End	6924
Name	OJ000122_40.0317.C15.o3.tw	Method	TBLASTX:Wheat
Start	5667	End	6831
GI	none	Score	105
Exons	5667..5813, 5730..5834, 5841..5909, 6540..6815, 6569..6796, 6675..6830, 6685..6831		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86863	Strand	
Start	4860	End	6924
Name	OJ000122_40.0317.C15.o3.tc	Method	TBLASTX:Cress
Start	5963	End	6353
GI	none	Score	203
Exons	5963..6073, 5964..6140, 6150..6353, 6177..6347, 6305..6352		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86864	Strand	
Start	11946	End	14183
Name	OJ000122_40.0317.C15.o2.tm	Method	TBLASTX:Maize
Start	11946	End	13922
GI	none	Score	119
Exons	11946..12089, 11949..12167, 11961..12170, 12201..12449, 12444..12773, 12504..12731, 12525..12668, 12570..12839, 12678..13031, 12732..13076, 12741..13145, 12864..13031, 12942..13127, 13044..13370, 13059..13922, 13061..13096, 13074..13097, 13173..13334, 13175..13285, 13178..13282, 13358..13594, 13676..13789		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86864	Strand	
Start	11946	End	14183
Name	OJ000122_40.0317.C15.o4.ts	Method	TBLASTX:Soybean
Start	11949	End	13415
GI	none	Score	128
Exons	11949..12170, 12132..12479, 12429..12806, 12431..12727, 12516..12782, 12734..12820, 12735..13112, 12941..13084, 13056..13415, 13169..13285		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86864	Strand	
Start	11946	End	14183
Name	OJ000122_40.0317.C15.o4.tc	Method	TBLASTX:Cress
Start	12060	End	13643
GI	none	Score	130
Exons	12060..12518, 12354..12821, 12660..13136, 12957..13517, 13521..13643		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86864	Strand	
Start	11946	End	14183
Name	OJ000122_40.0317.C15.o2.tw	Method	TBLASTX:Wheat
Start	12144	End	13478
GI	none	Score	119
Exons	12144..12479, 12402..12521, 12561..12818, 12702..13091, 12999..13478, 13343..13477		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86864	Strand	
Start	11946	End	14183
Name	OJ000122_40.0317.C15.o2.ts	Method	TBLASTX:Soybean
Start	13416	End	13949
GI	none	Score	434
Exons	13416..13949, 13424..13789, 13820..13948		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86864	Strand	
Start	11946	End	14183
Name	OJ000122_40.0317.C15.o2.tc	Method	TBLASTX:Cress
Start	13644	End	14180
GI	none	Score	428
Exons	13644..14180, 13673..14176, 14028..14177		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86864	Strand	
Start	11946	End	14183
Name	OJ000122_40.0317.C15.o3.tm	Method	TBLASTX:Maize
Start	13923	End	14180
GI	none	Score	314
Exons	13923..14180, 13970..14179		

Seq. No.	41826	Seq. ID	OJ000122_40.0317.C15
Gene No.	86864	Strand	
Start	11946	End	14183
Name	OJ000122_40.0317.C15.o3.ts	Method	TBLASTX:Soybean
Start	13959	End	14183

GI	none	Score	289
Exons	13959..14183, 13970..14176		
Seq. No.	41827	Seq. ID	OJ000122_40.0317.C16
Gene No.	86865	Strand	
Start	3142	End	3969
Name	OJ000122_40.0317.C16.o2.tm	Method	TBLASTX:Maize
Start	3142	End	3363
GI	none	Score	226
Exons	3142..3363, 3144..3362, 3151..3363		
Seq. No.	41827	Seq. ID	OJ000122_40.0317.C16
Gene No.	86865	Strand	
Start	3142	End	3969
Name	OJ000122_40.0317.C16.o2.tw	Method	TBLASTX:Wheat
Start	3148	End	3507
GI	none	Score	178
Exons	3148..3318, 3162..3305, 3400..3507		
Seq. No.	41827	Seq. ID	OJ000122_40.0317.C16
Gene No.	86865	Strand	
Start	3142	End	3969
Name	OJ000122_40.0317.C16.o1.tm	Method	TBLASTX:Maize
Start	3405	End	3876
GI	none	Score	314
Exons	3405..3755, 3406..3777, 3784..3876, 3795..3875		
Seq. No.	41827	Seq. ID	OJ000122_40.0317.C16
Gene No.	86865	Strand	
Start	3142	End	3969
Name	OJ000122_40.0317.C16.o1.tw	Method	TBLASTX:Wheat
Start	3607	End	3969
GI	none	Score	328
Exons	3607..3969, 3655..3969		
Seq. No.	41828	Seq. ID	OJ000122_40.0317.C17
Gene No.	86866	Strand	+
Start	396	End	509
Name	OJ000122_40.0317.C17.o1.gs	Method	GENSCAN
Start	396	End	509
GI	none	Score	.85
Exons	396..509		
Seq. No.	41829	Seq. ID	OJ000102_40.0310.C2
Gene No.	86867	Strand	+
Start	751	End	1343
Name	OJ000102_40.0310.C2.o1.gp	Method	AAT/GAP
Start	751	End	1343
GI	10341_1.R1084	Score	511
Exons	751..774, 1068..1343		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		
Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3

Gene No.	86868	Strand	+
Start	631	End	1401
Name	OJ000102_40.0310.C3.o1.gp	Method	AAT/GAP
Start	631	End	1401
GI	8546_2.R1084	Score	1183
Exons	631..1401		
GI Descrip.	'5091520/dbj|BAA78755.1| 4.0e-59 (AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]'		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86869	Strand	+
Start	9061	End	9821
Name	OJ000102_40.0310.C3.o2.gp	Method	AAT/GAP
Start	9061	End	9821
GI	22048_1.R1084	Score	932
Exons	9061..9279, 9368..9431, 9521..9570, 9655..9821		
GI Descrip.	'4567247/gb|AAD23661.1|AC007070_10 2.0e-32 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86870	Strand	+
Start	10041	End	13112
Name	OJ000102_40.0310.C3.o3.gp	Method	AAT/GAP
Start	10041	End	13112
GI	1987_1.R1084	Score	1575
Exons	10041..10089, 10221..10293, 10626..10749, 10830..10917, 11352..11402, 12010..12081, 12575..12687, 12780..13112		
GI Descrip.	'4567247/gb|AAD23661.1|AC007070_10 6.0e-37 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86871	Strand	+
Start	20255	End	22566
Name	OJ000102_40.0310.C3.o4.gp	Method	AAT/GAP
Start	20255	End	22566
GI	LIB3434-011-P1-K1-D6	Score	891
Exons	20255..20555, 22370..22566		
GI Descrip.	'5430761/gb|AAD43161.1|AC007504_16 7.0e-40 (AC007504) Similar to ethylene-forming-enzyme-like dioxygenase [Arabidopsis thaliana]'		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86872	Strand	+
Start	22953	End	23455
Name	OJ000102_40.0310.C3.o5.gp	Method	AAT/GAP
Start	22953	End	23455
GI	3767039	Score	534
Exons	22953..23111, 23308..23455		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86873	Strand	+
Start	23880	End	24419
Name	OJ000102_40.0310.C3.o6.gp	Method	AAT/GAP
Start	23880	End	24419
GI	6138_1.R1084	Score	678
Exons	23880..24149, 24243..24419		

GI Descrip.	'629561/pir||S44261 4.0e-11 SRG1 protein - Arabidopsis thaliana >gi_479047_emb_CAA55654_ (X79052) SRG1 [Arabidopsis thaliana] >gi_5734767_gb_AAD50032.1_AC007651_27 (AC007651) SRG1 Protein [Arabidopsis thaliana]'

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86874	Strand	+
Start	26760	End	27803
Name	OJ000102_40.0310.C3.o8.gp	Method	AAT/GAP
Start	26760	End	27803
GI	8671_1.R1084	Score	1125
Exons	26760..26991, 27303..27570, 27698..27803		
GI Descrip.	'2688828 6.0e-19 (U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]'		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86875	Strand	+
Start	27974	End	28955
Name	OJ000102_40.0310.C3.o9.gp	Method	AAT/GAP
Start	27974	End	28955
GI	uC-osrocyp017g10a1	Score	860
Exons	27974..28025, 28526..28955		
GI Descrip.	'2688828 3.0e-15 (U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]'		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86876	Strand	-
Start	25320	End	25697
Name	OJ000102_40.0310.C3.o7.gp	Method	AAT/GAP
Start	25320	End	25697
GI	none	Score	712
Exons	25320..25697		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o1.tw	Method	TBLASTX:Wheat
Start	408	End	1047
GI	none	Score	119
Exons	408..443, 409..504, 410..505, 628..672, 629..1045, 629..682, 724..1047		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	409	End	1186
GI	none	Score	693
Exons	409..672, 410..874, 611..682, 724..873, 802..1176, 872..1186		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o1.tc	Method	TBLASTX:Cress
Start	418	End	1165
GI	none	Score	867
Exons	418..507, 419..1075, 562..672, 724..1074, 1087..1164, 1088..1165		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	418	End	1075
GI	none	Score	726
Exons	418..672, 419..982, 724..981, 983..1075, 991..1074		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o3.tc	Method	TBLASTX:Cress
Start	2646	End	2981
GI	none	Score	92
Exons	2646..2981, 2839..2961		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o5.tm	Method	TBLASTX:Maize
Start	2649	End	3980
GI	none	Score	122
Exons	2649..2720, 2742..2981, 2760..2972, 2842..2982, 3882..3980		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o2.tw	Method	TBLASTX:Wheat
Start	2724	End	3137
GI	none	Score	87
Exons	2724..2912, 2814..2912, 2836..2913, 2902..2970, 2907..2981, 3072..3137		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o5.ts	Method	TBLASTX:Soybean
Start	2829	End	2981
GI	none	Score	130
Exons	2829..2981, 2839..2961		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o2.ts	Method	TBLASTX:Soybean
Start	3228	End	4406
GI	none	Score	73
Exons	3228..3413, 3229..3336, 3900..4106, 3901..3951, 4131..4262, 4150..4263, 4341..4406		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o5.tc	Method	TBLASTX:Cress
Start	3897	End	4241
GI	none	Score	95

Exons	3897..4103, 4134..4241		
Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o3.tm	Method	TBLASTX:Maize
Start	9121	End	9733
GI	none	Score	80
Exons	9121..9177, 9122..9178, 9217..9279, 9218..9280, 9363..9422, 9366..9434, 9371..9433, 9520..9570, 9521..9568, 9636..9728, 9638..9727, 9645..9728, 9646..9729, 9665..9733, 9676..9732		
Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o4.ts	Method	TBLASTX:Soybean
Start	9229	End	10075
GI	none	Score	82
Exons	9229..9276, 9230..9280, 9365..9424, 9366..9425, 9518..9568, 9646..9726, 9665..9775, 9676..9753, 9749..9847, 9763..9852, 10027..10074, 10028..10075		
Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o4.tm	Method	TBLASTX:Maize
Start	9737	End	12697
GI	none	Score	157
Exons	9737..9847, 9763..9852, 10026..10088, 10027..10107, 10028..10087, 10200..10298, 10219..10293, 10220..10321, 10602..10745, 10626..10748, 10673..10747, 10826..10918, 10826..10918, 11334..11405, 11353..11403, 12007..12081, 12011..12079, 12012..12092, 12572..12697, 12582..12692		
Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o4.tc	Method	TBLASTX:Cress
Start	9791	End	12079
GI	none	Score	90
Exons	9791..9844, 10026..10088, 10030..10107, 10031..10087, 10200..10295, 10219..10293, 10220..10318, 10626..10748, 10630..10731, 10632..10748, 10826..10918, 11353..11403, 11361..11393, 12011..12079		
Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o7.ts	Method	TBLASTX:Soybean
Start	10662	End	12693
GI	none	Score	113
Exons	10662..10748, 10662..10748, 10826..10918, 10855..10917, 11353..11403, 11361..11399, 12011..12079, 12566..12691, 12582..12692, 12586..12693		
Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-

Start	31077	End	31911
Name	OJ000102_40.0310.C3.o2.tc	Method	TBLASTX:Cress
Start	14671	End	31911
GI	none	Score	108
Exons	14671..14805, 14869..15075, 15133..15333, 15141..15263, 19567..19671, 19768..19866, 19894..20031, 20361..20558, 20369..20563, 22364..22612, 24240..24338, 24366..24503, 24852..25052, 25161..25409, 25175..25354, 27326..27406, 27436..27570, 27437..27571, 27807..28028, 31657..31743, 31659..31766, 31774..31911, 31774..31860		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o2.tm	Method	TBLASTX:Maize
Start	14671	End	31897
GI	none	Score	125
Exons	14671..14811, 14682..14795, 14854..14979, 14862..14921, 15025..15333, 15045..15275, 15268..15333, 16005..16130, 19495..19665, 19503..19670, 19506..19670, 19769..19951, 19770..19952, 19770..20009, 19771..20010, 19864..20010, 20227..20304, 20325..20558, 20333..20563, 22364..22615, 22364..22582, 22369..22608, 24060..24089, 24093..24218, 24093..24185, 24231..24470, 24242..24484, 24243..24482, 24768..25052, 24855..25055, 25158..25376, 25161..25409, 25175..25414, 26884..26928, 26938..26994, 27325..27549, 27326..27550, 27696..27737, 27719..27886, 27783..28028, 27939..28028, 28519..28611, 28520..28663, 28661..28768, 30859..30915, 30955..31023, 31006..31068, 31650..31889, 31651..31890, 31657..31893, 31703..31897		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o6.ts	Method	TBLASTX:Soybean
Start	14671	End	31911
GI	none	Score	113
Exons	14671..14811, 14869..15117, 19771..19872, 19846..20067, 24243..24344, 24351..24512, 27386..27571, 31651..31752, 31732..31911		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o3.tw	Method	TBLASTX:Wheat
Start	15085	End	28025
GI	none	Score	161
Exons	15085..15264, 15141..15263, 20367..20507, 20369..20506, 24720..25010, 24786..24983, 24926..24997, 24993..25052, 27725..27742, 27837..27977, 27987..28025		

Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o3.ts	Method	TBLASTX:Soybean
Start	15133	End	28768
GI	none	Score	190

Exons	15133..15333, 15141..15263, 16005..16118, 20321..20545, 20346..20558, 20346..20558, 22364..22609, 22367..22567, 24729..25052, 25161..25406, 25175..25342, 27810..28028, 28520..28669, 28667..28768		
Seq. No.	41830	Seq. ID	OJ000102_40.0310.C3
Gene No.	86877	Strand	-
Start	31077	End	31911
Name	OJ000102_40.0310.C3.o10.gp	Method	AAT/GAP
Start	31077	End	31148
GI	4715947	Score	83
Exons	31077..31148		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		
Seq. No.	41831	Seq. ID	OJ000102_40.0310.C4
Gene No.	86878	Strand	
Start	238	End	489
Name	OJ000102_40.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	238	End	489
GI	none	Score	152
Exons	238..375, 241..345, 243..383, 363..485, 400..489		
Seq. No.	41832	Seq. ID	OJ000102_40.0310.C5
Gene No.	86879	Strand	
Start	723	End	1227
Name	OJ000102_40.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	723	End	1227
GI	none	Score	99
Exons	723..848, 724..858, 889..1227, 889..1143, 918..1223		
Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86880	Strand	+
Start	8248	End	13006
Name	OJ000102_40.0310.C7.o1.gp	Method	AAT/GAP
Start	8248	End	13006
GI	151_1.R1084	Score	4862
Exons	8248..8597, 9992..10566, 10708..11087, 11190..11276, 11362..11692, 11825..12235, 12319..12378, 12475..13006		
GI Descrip.	'1747296/dbj|BAA08233| 0.0e+00 (D45384) vacuolar H+-pyrophosphatase [Oryza sativa] >gi_3298476_dbj_BAA31524_ (AB012766) ovp2 [Oryza sativa]'		
Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86881	Strand	-
Start	13672	End	14027
Name	OJ000102_40.0310.C7.o2.gp	Method	AAT/GAP
Start	13672	End	14027
GI	LIB3434-014-P1-K1-A7	Score	649
Exons	13672..14027		
GI Descrip.	'4138722/emb|CAA70777| 8.0e-30 (Y09590) hexose transporter [Vitis vinifera]'		
Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7

Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	8338	End	12974
GI	none	Score	113
Exons	8338..8457, 8339..8491, 8432..8599, 9981..10487, 9987..10571, 9991..10569, 10100..10573, 10707..11087, 10708..11088, 11015..11089, 11185..11274, 11189..11275, 11191..11274, 11359..11691, 11360..11692, 11363..11692, 11781..11966, 11821..12198, 11823..12239, 11825..12253, 12305..12379, 12313..12393, 12318..12377, 12472..12681, 12474..12683, 12474..12674, 12710..12745, 12912..12974		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o1.tc	Method	TBLASTX:Cress
Start	8342	End	12686
GI	none	Score	197
Exons	8342..8599, 8359..8601, 9981..10490, 9987..10571, 9991..10569, 10707..11087, 10708..11088, 10711..11091, 11185..11274, 11194..11274, 11213..11275, 11352..11489, 11359..11691, 11360..11692, 11360..11692, 11821..12198, 11825..12253, 11940..12233, 12012..12266, 12313..12393, 12317..12385, 12318..12386, 12472..12681, 12473..12679, 12474..12686, 12474..12680		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o1.ts	Method	TBLASTX:Soybean
Start	8348	End	12672
GI	none	Score	89
Exons	8348..8533, 8492..8599, 9981..10490, 9987..10571, 9991..10569, 10451..10585, 10707..11087, 10708..11088, 10824..11099, 11161..11274, 11194..11274, 11359..11691, 11360..11692, 11363..11692, 11821..12198, 11822..12244, 11825..12253, 12313..12393, 12318..12377, 12470..12658, 12472..12672, 12474..12671		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o2.tw	Method	TBLASTX:Wheat
Start	11194	End	11662
GI	none	Score	128
Exons	11194..11277, 11215..11274, 11359..11661, 11360..11662, 11363..11662		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o1.tw	Method	TBLASTX:Wheat
Start	11933	End	12501
GI	none	Score	489
Exons	11933..12253, 11935..12198, 12313..12393, 12318..12377, 12472..12501		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o3.tw	Method	TBLASTX:Wheat
Start	12502	End	12688
GI	none	Score	276
Exons	12502..12672, 12504..12671, 12507..12680, 12508..12678, 12509..12688		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o4.tc	Method	TBLASTX:Cress
Start	13682	End	14237
GI	none	Score	116
Exons	13682..13900, 13693..13899, 14136..14237		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o2.ts	Method	TBLASTX:Soybean
Start	13690	End	15667
GI	none	Score	151
Exons	13690..13917, 13721..13921, 13727..13918, 13972..14031, 13973..14032, 13973..14032, 14136..14237, 14137..14238, 14476..14619, 14489..14620, 14492..14620, 14688..14882, 14689..14820, 14690..14881, 14987..15028, 14989..15033, 15016..15228, 15050..15232, 15526..15624, 15527..15622, 15638..15667		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o3.tm	Method	TBLASTX:Maize
Start	13747	End	14235
GI	none	Score	154
Exons	13747..13914, 13748..13915, 13882..14034, 13964..14035, 14131..14232, 14132..14233, 14136..14234, 14137..14235		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o2.tc	Method	TBLASTX:Cress
Start	14473	End	15114
GI	none	Score	60
Exons	14473..14550, 14483..14548, 14551..14610, 14552..14620, 14690..14890, 14691..14882, 14987..15112, 14992..15114		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o2.tm	Method	TBLASTX:Maize
Start	14509	End	15654
GI	none	Score	138
Exons	14509..14619, 14513..14620, 14689..14820, 14690..14881, 14691..14882, 14760..14888, 14984..15232, 14984..15223,		

14992..15228, 15517..15642, 15524..15646, 15526..15654,
15527..15652

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o3.tc	Method	TBLASTX:Cress
Start	15524	End	15939
GI	none	Score	83
Exons	15524..15694, 15778..15939, 15791..15937		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o4.tm	Method	TBLASTX:Maize
Start	15778	End	15956
GI	none	Score	232
Exons	15778..15954, 15779..15955, 15885..15956		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o3.ts	Method	TBLASTX:Soybean
Start	15904	End	16281
GI	none	Score	70
Exons	15904..15954, 15905..15958, 16049..16084, 16180..16281, 16182..16277		

Seq. No.	41833	Seq. ID	OJ000102_40.0310.C7
Gene No.	86882	Strand	-
Start	16285	End	16620
Name	OJ000102_40.0310.C7.o3.gp	Method	AAT/GAP
Start	16285	End	16620
GI	570066	Score	623
Exons	16285..16620		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86883	Strand	-
Start	2232	End	3405
Name	OJ000102_40.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	1854	End	2340
GI	none	Score	77
Exons	1854..1964, 1857..2018, 1858..2025, 1859..2023, 2027..2338, 2037..2159, 2044..2340		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86883	Strand	-
Start	2232	End	3405
Name	OJ000102_40.0310.C8.o2.ts	Method	TBLASTX:Soybean
Start	1858	End	2217
GI	none	Score	144
Exons	1858..2031, 1868..2023, 1898..2065, 2047..2088, 2048..2101, 2086..2217, 2087..2215		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86883	Strand	-
Start	2232	End	3405

Name	OJ000102_40.0310.C8.o1.tw	Method	TBLASTX:Wheat
Start	1873	End	2101
GI	none	Score	102
Exons	1873..2019, 1877..2014, 2032..2088, 2051..2101		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86883	Strand	-
Start	2232	End	3405
Name	OJ000102_40.0310.C8.o1.tc	Method	TBLASTX:Cress
Start	1877	End	2340
GI	none	Score	113
Exons	1877..1951, 1885..2025, 1889..2014, 2065..2088, 2066..2101, 2086..2187, 2105..2182, 2176..2340		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86883	Strand	-
Start	2232	End	3405
Name	OJ000102_40.0310.C8.o1.ts	Method	TBLASTX:Soybean
Start	2218	End	3033
GI	none	Score	98
Exons	2218..2349, 2794..3012, 2794..3033, 2864..3031		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86883	Strand	-
Start	2232	End	3405
Name	OJ000102_40.0310.C8.o1.gp	Method	AAT/GAP
Start	2232	End	3219
GI	LIB3434-062-P1-K1-F4	Score	992
Exons	2232..2338, 2795..3219		
GI Descrip.	'6091732/gb|AAF03444.1|AC010797_20 4.0e-24 (AC010797) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86883	Strand	-
Start	2232	End	3405
Name	OJ000102_40.0310.C8.o3.tm	Method	TBLASTX:Maize
Start	2764	End	3102
GI	none	Score	108
Exons	2764..3012, 2794..3042, 2870..3040, 2886..3044, 3010..3102, 3029..3073		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86883	Strand	-
Start	2232	End	3405
Name	OJ000102_40.0310.C8.o2.tc	Method	TBLASTX:Cress
Start	2896	End	3405
GI	none	Score	136
Exons	2896..3141, 2897..3040, 3220..3405		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86884	Strand	
Start	3337	End	3684
Name	OJ000102_40.0310.C8.o3.ts	Method	TBLASTX:Soybean
Start	3337	End	3591
GI	none	Score	154
Exons	3337..3591, 3338..3586		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86884	Strand	
Start	3337	End	3684
Name	OJ000102_40.0310.C8.o2.tm	Method	TBLASTX:Maize
Start	3379	End	3663
GI	none	Score	320
Exons	3379..3663, 3380..3661		

Seq. No.	41834	Seq. ID	OJ000102_40.0310.C8
Gene No.	86884	Strand	
Start	3337	End	3684
Name	OJ000102_40.0310.C8.o3.tc	Method	TBLASTX:Cress
Start	3502	End	3684
GI	none	Score	135
Exons	3502..3684, 3503..3676		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86885	Strand	+
Start	11009	End	11398
Name	OJ000102_40.0310.C9.o2.gp	Method	AAT/GAP
Start	11009	End	11398
GI	none	Score	776
Exons	11009..11398		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o2.tw	Method	TBLASTX:Wheat
Start	5600	End	5832
GI	none	Score	64
Exons	5600..5638, 5657..5830, 5677..5832		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o4.tm	Method	TBLASTX:Maize
Start	5719	End	6037
GI	none	Score	184
Exons	5719..5856, 5720..5857, 5732..5860, 5921..6037, 5923..6036		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o4.ts	Method	TBLASTX:Soybean
Start	6239	End	6499
GI	none	Score	220
Exons	6239..6499, 6241..6345, 6379..6492		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	11390	End	12395
GI	none	Score	82
Exons	11390..11491, 11392..11484, 11461..11967, 11479..11961, 12348..12395, 12351..12395		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	11401	End	11649
GI	none	Score	120
Exons	11401..11481, 11458..11649, 11480..11647, 11482..11649		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o2.tc	Method	TBLASTX:Cress
Start	11401	End	11967
GI	none	Score	77
Exons	11401..11754, 11548..11754, 11725..11961, 11725..11967		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	11536	End	12559
GI	none	Score	174
Exons	11536..11832, 11539..11967, 11870..11959, 12345..12392, 12428..12559, 12441..12548, 12448..12549		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o3.tm	Method	TBLASTX:Maize
Start	13146	End	13371
GI	none	Score	179
Exons	13146..13349, 13146..13349, 13147..13371, 13147..13350		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o5.ts	Method	TBLASTX:Soybean
Start	13146	End	13349
GI	none	Score	127
Exons	13146..13325, 13146..13310, 13302..13349		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o3.ts	Method	TBLASTX:Soybean
Start	20493	End	21734
GI	none	Score	70
Exons	20493..20558, 20577..20696, 20709..21167, 20709..21116, 20709..21116, 20710..20886, 20781..21092, 20781..21023, 21603..21734		

Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o3.tc	Method	TBLASTX:Cress
Start	20520	End	21743
GI	none	Score	81

Exons	20520..20705, 20562..20729, 20568..20714, 20694..20732, 20698..20973, 20703..20819, 20703..21047, 20706..21107, 20709..21116, 20709..21107, 20781..21116, 20781..21119, 20781..20963, 20781..21119, 20784..21119, 20784..21119, 20853..21122, 21132..21194, 21267..21425, 21291..21419, 21576..21743, 21597..21713, 21603..21731		
Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o5.tm	Method	TBLASTX:Maize
Start	20695	End	21731
GI	none	Score	58
Exons	20695..20820, 20703..20819, 20709..21146, 20709..21116, 20781..21107, 20854..20940, 20874..21119, 21015..21119, 21144..21269, 21597..21713, 21603..21731		
Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86886	Strand	+
Start	24055	End	24132
Name	OJ000102_40.0310.C9.o3.gp	Method	AAT/GAP
Start	24055	End	24132
GI	5867_1.R1084	Score	88
Exons	24055..24132		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86887	Strand	
Start	25534	End	27006
Name	OJ000102_40.0310.C9.o2.tm	Method	TBLASTX:Maize
Start	25534	End	27006
GI	none	Score	321
Exons	25534..26046, 25544..26062, 26944..27006		
Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86887	Strand	
Start	25534	End	27006
Name	OJ000102_40.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	25543	End	27006
GI	none	Score	273
Exons	25543..26046, 25544..26047, 26956..27006		
Seq. No.	41835	Seq. ID	OJ000102_40.0310.C9
Gene No.	86887	Strand	
Start	25534	End	27006
Name	OJ000102_40.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	25576	End	26037
GI	none	Score	296
Exons	25576..26037, 25637..26029		
Seq. No.	41836	Seq. ID	OJ000122_49.0316.C1

Gene No.	86888	Strand	-
Start	1	End	358
Name	OJ000122_49.0316.C1.o1.np	Method	AAT/NAP
Start	1	End	339
GI	4850399	Score	237
Exons	1..339		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	41836	Seq. ID	OJ000122_49.0316.C1
Gene No.	86888	Strand	-
Start	1	End	358
Name	OJ000122_49.0316.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	282
GI	none	Score	114
Exons	1..120, 151..282		

Seq. No.	41836	Seq. ID	OJ000122_49.0316.C1
Gene No.	86888	Strand	-
Start	1	End	358
Name	OJ000122_49.0316.C1.o1.gs	Method	GENSCAN
Start	30	End	351
GI	none	Score	.91
Exons	30..351		

Seq. No.	41836	Seq. ID	OJ000122_49.0316.C1
Gene No.	86888	Strand	-
Start	1	End	358
Name	OJ000122_49.0316.C1.o1.tm	Method	TBLASTX:Maize
Start	193	End	358
GI	none	Score	93
Exons	193..357, 245..358		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86889	Strand	+
Start	1	End	3569
Name	OJ000122_49.0316.C3.o2.np	Method	AAT/NAP
Start	1	End	3315
GI	7228442	Score	253
Exons	1..23, 3131..3315		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86889	Strand	+
Start	1	End	3569
Name	OJ000122_49.0316.C3.o1.np	Method	AAT/NAP
Start	121	End	3012
GI	5441880	Score	2407
Exons	121..278, 384..720, 1306..1604, 1684..1942, 2187..2284, 2531..2662, 2778..3012		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86889	Strand	+

Start	1	End	3569
Name	OJ000122_49.0316.C3.o1.gs	Method	GENSCAN
Start	130	End	3291
GI	none	Score	.68
Exons	130..278, 384..630, 805..1215, 1306..1557, 1736..1942, 2035..2160, 2187..2284, 2531..2662, 2726..2773, 2778..2980, 3131..3291		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86889	Strand	+
Start	1	End	3569
Name	OJ000122_49.0316.C3.o1.gp	Method	AAT/GAP
Start	1432	End	1934
GI	LIB3475-007-P1-K1-G8	Score	794
Exons	1432..1604, 1684..1934		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86889	Strand	+
Start	1	End	3569
Name	OJ000122_49.0316.C3.o2.gp	Method	AAT/GAP
Start	3116	End	3569
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	3116..3569		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86890	Strand	+
Start	4374	End	4882
Name	OJ000122_49.0316.C3.o3.gp	Method	AAT/GAP
Start	4374	End	4882
GI	LIB3432-015-P1-K1-B3	Score	807
Exons	4374..4750, 4781..4882		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86891	Strand	+
Start	5744	End	6219
Name	OJ000122_49.0316.C3.o3.gs	Method	GENSCAN
Start	5744	End	6219
GI	none	Score	.48
Exons	5744..5975, 6002..6219		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86892	Strand	+
Start	7452	End	23089
Name	OJ000122_49.0316.C3.o3.np	Method	AAT/NAP
Start	7440	End	10468
GI	6689826	Score	570
Exons	7440..7574, 7915..8081, 8335..8535, 9400..9559, 9969..10203, 10307..10468		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86892	Strand	+
Start	7452	End	23089
Name	OJ000122_49.0316.C3.o4.gs	Method	GENSCAN
Start	7452	End	22712
GI	none	Score	.81
Exons	7452..7574, 7944..8081, 8335..8535, 9400..9559, 9969..10206, 10307..10428, 11937..12072, 12209..12335, 12370..12717, 14465..14666, 15033..15199, 15313..15513, 16060..16219, 16521..16758, 16855..16968, 17650..17774, 19742..19927, 20369..20535, 20712..20915, 21044..21203, 21360..21573, 21688..21801, 21981..22002, 22578..22712		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86892	Strand	+
Start	7452	End	23089
Name	OJ000122_49.0316.C3.o4.np	Method	AAT/NAP
Start	12303	End	12819
GI	7487480	Score	154
Exons	12303..12819		
GI Descrip.	hypothetical protein T27E13.3 - Arabidopsis thaliana gi|2347189|gb|AAC16928.1| (AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86892	Strand	+
Start	7452	End	23089
Name	OJ000122_49.0316.C3.o4.gp	Method	AAT/GAP
Start	14421	End	15414
GI	17023_1.R1084	Score	853
Exons	14421..14666, 15033..15199, 15313..15414		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86892	Strand	+
Start	7452	End	23089
Name	OJ000122_49.0316.C3.o5.np	Method	AAT/NAP
Start	14534	End	17008
GI	6689826	Score	642
Exons	14534..14666, 15033..15199, 15313..15513, 16060..16219, 16521..16755, 16855..17008		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86892	Strand	+
Start	7452	End	23089
Name	OJ000122_49.0316.C3.o6.np	Method	AAT/NAP
Start	19810	End	23089
GI	5732928	Score	430
Exons	19810..19927, 20369..20535, 20712..20915, 21044..21215, 21390..21563, 21681..21801, 23048..23089		
GI Descrip.	(AF169801) dihydroflavonol-4-reductase [Lilium hybrid cultivar VII cv. 'Acapulco']		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86892	Strand	+

Start	7452	End	23089
Name	OJ000122_49.0316.C3.o5.gp	Method	AAT/GAP
Start	21466	End	21824
GI	2797550	Score	444
Exons	21466..21573, 21688..21824		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86893	Strand	+
Start	23547	End	30293
Name	OJ000122_49.0316.C3.o5.gs	Method	GENSCAN
Start	23547	End	30293
GI	none	Score	.4
Exons	23547..23603, 23963..24067, 24124..26105, 26153..26489, 26568..26750, 26831..28175, 28411..29837, 29847..30293		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86893	Strand	+
Start	23547	End	30293
Name	OJ000122_49.0316.C3.o7.np	Method	AAT/NAP
Start	24142	End	30290
GI	7228457	Score	9319
Exons	24142..24508, 24570..26504, 26568..27401, 27524..28673, 28740..30290		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86894	Strand	+
Start	30312	End	37241
Name	OJ000122_49.0316.C3.o9.np	Method	AAT/NAP
Start	30312	End	37241
GI	5852180	Score	679
Exons	30312..30334, 34847..34905, 35889..36006, 36058..36470, 37172..37241		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86895	Strand	-
Start	4308	End	4837
Name	OJ000122_49.0316.C3.o2.gs	Method	GENSCAN
Start	4308	End	4837
GI	none	Score	.93
Exons	4308..4327, 4450..4837		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o9.tw	Method	TBLASTX:Wheat
Start	7484	End	20827
GI	none	Score	53
Exons	7484..7525, 7485..7526, 7525..7578, 7526..7579, 7907..8089, 7914..8057, 8292..8447, 8332..8445, 8332..8448, 14578..14664, 14579..14665, 14584..14670, 15002..15181, 15025..15207, 15032..15175, 15033..15191, 15310..15423, 15330..15425, 19839..19931, 19840..19932, 20368..20532, 20368..20517, 20678..20716, 20709..20822, 20709..20822, 20720..20827		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o1.tc	Method	TBLASTX:Cress
Start	7925	End	20840
GI	none	Score	145
Exons	7925..8080, 7926..8081, 8332..8463, 14537..14665, 15044..15199, 15310..15441, 19807..19863, 19852..19926, 20368..20535, 20709..20840		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o4.tm	Method	TBLASTX:Maize
Start	7956	End	25555
GI	none	Score	169
Exons	7956..8081, 7961..8080, 8332..8472, 8334..8453, 15074..15199, 15074..15199, 15310..15450, 15312..15431, 20410..20535, 20413..20535, 20709..20837, 20711..20833, 25325..25387, 25493..25555		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o2.ts	Method	TBLASTX:Soybean
Start	10001	End	21766
GI	none	Score	73
Exons	10001..10066, 10115..10204, 10308..10433, 16553..16618, 16667..16756, 16856..16933, 21401..21574, 21403..21570, 21689..21766, 21691..21765		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o6.tm	Method	TBLASTX:Maize
Start	12382	End	12588
GI	none	Score	120
Exons	12382..12477, 12382..12465, 12390..12476, 12478..12588, 12493..12543, 12501..12575		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o6.tw	Method	TBLASTX:Wheat
Start	24796	End	25188
GI	none	Score	58
Exons	24796..24843, 24850..24948, 24855..24947, 24915..25154, 24931..25188		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o5.tm	Method	TBLASTX:Maize
Start	24801	End	25086
GI	none	Score	196
Exons	24801..25085, 24838..25086		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o4.tw	Method	TBLASTX:Wheat
Start	25926	End	26384
GI	none	Score	154
Exons	25926..26063, 25927..26166, 26165..26380, 26166..26384, 26190..26384		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o1.tw	Method	TBLASTX:Wheat
Start	26576	End	27037
GI	none	Score	278
Exons	26576..26830, 26577..26822, 26812..27030, 26813..27037, 26822..27031		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o3.tm	Method	TBLASTX:Maize
Start	26706	End	27061
GI	none	Score	90
Exons	26706..26822, 26821..27051, 26822..27061, 26828..27061		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o1.tm	Method	TBLASTX:Maize
Start	27088	End	27472
GI	none	Score	357
Exons	27088..27453, 27089..27472		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o2.tw	Method	TBLASTX:Wheat
Start	27145	End	27565
GI	none	Score	491
Exons	27145..27558, 27146..27565		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o1.ts	Method	TBLASTX:Soybean
Start	27224	End	27595
GI	none	Score	277
Exons	27224..27595, 27241..27384		

Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o5.tw	Method	TBLASTX:Wheat
Start	28092	End	28652
GI	none	Score	233

Exons	28092..28112, 28219..28443, 28234..28443, 28284..28469, 28503..28652, 28512..28649, 28514..28651		
Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o8.tw	Method	TBLASTX:Wheat
Start	28655	End	28967
GI	none	Score	184
Exons	28655..28753, 28707..28967		
Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o2.tm	Method	TBLASTX:Maize
Start	29160	End	29483
GI	none	Score	354
Exons	29160..29483, 29189..29470		
Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o3.tw	Method	TBLASTX:Wheat
Start	29297	End	29678
GI	none	Score	375
Exons	29297..29353, 29298..29678, 29298..29639, 29399..29647		
Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o7.tw	Method	TBLASTX:Wheat
Start	29679	End	30281
GI	none	Score	253
Exons	29679..29981, 29684..29962, 30155..30277, 30156..30281		
Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o6.gs	Method	GENSCAN
Start	30932	End	37955
GI	none	Score	.72
Exons	30932..32834, 32932..33997, 34284..34312, 35911..36050, 36214..36414, 37398..37491, 37822..37955		
Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o8.np	Method	AAT/NAP
Start	30935	End	35200
GI	5803259	Score	4513
Exons	30935..32834, 32932..34043, 35150..35200		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	41837	Seq. ID	OJ000122_49.0316.C3
Gene No.	86896	Strand	-
Start	30932	End	37955
Name	OJ000122_49.0316.C3.o6.gp	Method	AAT/GAP

Start	34754	End	35137
GI	uC-osf1cyp033a04b1	Score	669
Exons	34754..35137		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41838	Seq. ID	OJ000122_49.0316.C4
Gene No.	86897	Strand	-
Start	1	End	393
Name	OJ000122_49.0316.C4.o1.np	Method	AAT/NAP
Start	1	End	393
GI	6539586	Score	214
Exons	1..21, 240..393		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	41838	Seq. ID	OJ000122_49.0316.C4
Gene No.	86898	Strand	-
Start	1032	End	1190
Name	OJ000122_49.0316.C4.o2.np	Method	AAT/NAP
Start	1032	End	1190
GI	7523512	Score	126
Exons	1032..1190		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41839	Seq. ID	OJ000122_49.0316.C5
Gene No.	86899	Strand	+
Start	1	End	60
Name	OJ000122_49.0316.C5.o1.np	Method	AAT/NAP
Start	1	End	60
GI	5042454	Score	101
Exons	1..60		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	41839	Seq. ID	OJ000122_49.0316.C5
Gene No.	86900	Strand	+
Start	3384	End	9408
Name	OJ000122_49.0316.C5.o1.tm	Method	TBLASTX:Maize
Start	3371	End	5112
GI	none	Score	164
Exons	3371..3502, 3396..3503, 4662..4850, 4667..4852, 4683..4850, 4684..4851, 5008..5112		

Seq. No.	41839	Seq. ID	OJ000122_49.0316.C5
Gene No.	86900	Strand	+
Start	3384	End	9408
Name	OJ000122_49.0316.C5.o2.gs	Method	GENSCAN
Start	3384	End	9408
GI	none	Score	.67
Exons	3384..3504, 4684..4850, 5035..5235, 5938..6097, 6195..6408, 6626..6749, 8764..9408		

Seq. No.	41839	Seq. ID	OJ000122_49.0316.C5
Gene No.	86900	Strand	+
Start	3384	End	9408
Name	OJ000122_49.0316.C5.o3.np	Method	AAT/NAP
Start	3387	End	6842
GI	1332411	Score	455

Exons	3387..3504, 4684..4850, 5035..5235, 5938..6109, 6225..6405, 6626..6842		
GI Descrip.	(D85102) dihydroflavonol 4-reductase [Rosa hybrida]		
Seq. No.	41839	Seq. ID	OJ000122_49.0316.C5
Gene No.	86900	Strand	+
Start	3384	End	9408
Name	OJ000122_49.0316.C5.o2.tw	Method	TBLASTX:Wheat
Start	3416	End	5148
GI	none	Score	125
Exons	3416..3502, 3417..3503, 3434..3505, 4683..4859, 4683..4832, 5032..5145, 5032..5148		
Seq. No.	41839	Seq. ID	OJ000122_49.0316.C5
Gene No.	86900	Strand	+
Start	3384	End	9408
Name	OJ000122_49.0316.C5.o1.gp	Method	AAT/GAP
Start	8828	End	9135
GI	uC-osf1M202039g09b1	Score	168
Exons	8828..8958, 9112..9135		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	41839	Seq. ID	OJ000122_49.0316.C5
Gene No.	86900	Strand	+
Start	3384	End	9408
Name	OJ000122_49.0316.C5.o1.tw	Method	TBLASTX:Wheat
Start	8944	End	9092
GI	none	Score	211
Exons	8944..9087, 8946..9092		
Seq. No.	41839	Seq. ID	OJ000122_49.0316.C5
Gene No.	86900	Strand	+
Start	3384	End	9408
Name	OJ000122_49.0316.C5.o1.ts	Method	TBLASTX:Soybean
Start	8949	End	9273
GI	4397580	Score	183
Exons	8949..9092, 8950..9081, 9157..9273, 9174..9272		
GI Descrip.	3152576 6.0e-14 (AC002986) Similar to liver-specific transport protein gb_L27651 from Rattus norviegicus. [Arabidopsis thaliana]		
Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86901	Strand	+
Start	1622	End	1785
Name	OJ000122_49.0316.C6.o2.gp	Method	AAT/GAP
Start	1622	End	1785
GI	7406_1.R1084	Score	216
Exons	1622..1785		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86902	Strand	+
Start	8591	End	8662
Name	OJ000122_49.0316.C6.o5.gp	Method	AAT/GAP
Start	8591	End	8662

GI	uC-osflM202097d10b1	Score	101
Exons	8591..8662		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86903	Strand	-
Start	1	End	1183
Name	OJ000122_49.0316.C6.o1.gp	Method	AAT/GAP
Start	1	End	125
GI	5701669	Score	242
Exons	1..125		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86903	Strand	-
Start	1	End	1183
Name	OJ000122_49.0316.C6.o1.np	Method	AAT/NAP
Start	1	End	1183
GI	7228442	Score	2030
Exons	1..1183		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86904	Strand	-
Start	2668	End	9895
Name	OJ000122_49.0316.C6.o2.gs	Method	GENSCAN
Start	2668	End	5419
GI	none	Score	.81
Exons	2668..2832, 2834..3024, 3657..3715, 3837..3971, 4047..4266, 4380..4539, 4637..4846, 4930..5105, 5296..5419		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86904	Strand	-
Start	2668	End	9895
Name	OJ000122_49.0316.C6.o3.gp	Method	AAT/GAP
Start	3640	End	4288
GI	33857_1.R1084	Score	901
Exons	3640..3971, 4047..4288		
GI Descrip.	'4508073/gb|AAD21417.1| 5.0e-22 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86904	Strand	-
Start	2668	End	9895
Name	OJ000122_49.0316.C6.o2.np	Method	AAT/NAP
Start	3815	End	9743
GI	6689826	Score	598
Exons	3815..3979, 4061..4255, 4369..4540, 8214..8427, 9175..9341, 9611..9743		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6

Gene No.	86904	Strand	-
Start	2668	End	9895
Name	OJ000122_49.0316.C6.o4.gp	Method	AAT/GAP
Start	4981	End	5528
GI	uC-osflcyp017f04b1	Score	612
Exons	4981..5105, 5296..5528		
GI Descrip.	'4508073/gb|AAD21417.1| 2.0e-17 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86904	Strand	-
Start	2668	End	9895
Name	OJ000122_49.0316.C6.o3.gs	Method	GENSCAN
Start	7108	End	9895
GI	none	Score	.97
Exons	7108..7261, 7344..7563, 7957..8116, 8209..8427, 9175..9341, 9611..9761, 9800..9895		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86905	Strand	-
Start	11125	End	11959
Name	OJ000122_49.0316.C6.o1.ts	Method	TBLASTX:Soybean
Start	3890	End	7522
GI	none	Score	97
Exons	3890..3955, 4058..4213, 4062..4214, 7180..7245, 7355..7447, 7445..7522		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86905	Strand	-
Start	11125	End	11959
Name	OJ000122_49.0316.C6.o2.tm	Method	TBLASTX:Maize
Start	4094	End	8089
GI	none	Score	75
Exons	4094..4213, 4095..4202, 4115..4228, 4125..4271, 4217..4270, 4372..4512, 4373..4510, 7392..7436, 7411..7437, 7451..7543, 7455..7541, 7952..8089, 7953..8057		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86905	Strand	-
Start	11125	End	11959
Name	OJ000122_49.0316.C6.o2.ts	Method	TBLASTX:Soybean
Start	4372	End	9747
GI	none	Score	80
Exons	4372..4539, 4646..4705, 4736..4849, 4963..5055, 5303..5392, 5304..5396, 7931..8116, 8218..8277, 8302..8430, 9175..9291, 9615..9704, 9619..9747		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86905	Strand	-
Start	11125	End	11959
Name	OJ000122_49.0316.C6.o1.tm	Method	TBLASTX:Maize
Start	4726	End	9312
GI	none	Score	132
Exons	4726..4848, 4733..4849, 4763..4849, 4927..5064, 4963..5064, 4964..5077, 5059..5088, 5060..5089, 8287..8430, 8288..8428, 8290..8457, 9169..9297, 9175..9312		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86905	Strand	-
Start	11125	End	11959
Name	OJ000122_49.0316.C6.o1.tw	Method	TBLASTX:Wheat
Start	4731	End	9699
GI	none	Score	108
Exons	4731..4820, 4733..4849, 4763..4849, 4963..5106, 4963..5106, 5291..5383, 5292..5384, 8317..8430, 8318..8404, 9178..9345, 9193..9342, 9606..9698, 9607..9699		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86905	Strand	-
Start	11125	End	11959
Name	OJ000122_49.0316.C6.o1.tc	Method	TBLASTX:Cress
Start	4736	End	9740
GI	none	Score	64
Exons	4736..4849, 4951..5106, 5297..5404, 8299..8430, 8318..8401, 9169..9393, 9175..9345, 9612..9740		

Seq. No.	41840	Seq. ID	OJ000122_49.0316.C6
Gene No.	86905	Strand	-
Start	11125	End	11959
Name	OJ000122_49.0316.C6.o4.gs	Method	GENSCAN
Start	11125	End	11959
GI	none	Score	.6
Exons	11125..11313, 11360..11483, 11901..11959		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86906	Strand	+
Start	452	End	5971
Name	OJ000122_49.0316.C7.o1.gs	Method	GENSCAN
Start	452	End	5971
GI	none	Score	.47
Exons	452..653, 1233..5393, 5622..5971		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86906	Strand	+
Start	452	End	5971
Name	OJ000122_49.0316.C7.o1.np	Method	AAT/NAP
Start	1241	End	5410
GI	7489738	Score	4441
Exons	1241..1401, 1444..5410		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86907	Strand	-
Start	5470	End	8518
Name	OJ000122_49.0316.C7.o2.np	Method	AAT/NAP
Start	5470	End	8501
GI	5852933	Score	352
Exons	5470..5529, 6116..6239, 6330..6580, 6691..6879, 7167..7345, 8054..8220, 8384..8501		
GI Descrip.	(AF167556) dihydroflavonol-4-reductase DFR1 [Glycine max]		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7

Gene No.	86907	Strand	-
Start	5470	End	8518
Name	OJ000122_49.0316.C7.o2.gs	Method	GENSCAN
Start	6113	End	8504
GI	none	Score	.94
Exons	6113..6263, 6354..6588, 6691..6832, 7136..7345, 8054..8220, 8384..8504		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86907	Strand	-
Start	5470	End	8518
Name	OJ000122_49.0316.C7.o1.gp	Method	AAT/GAP
Start	8062	End	8518
GI	17023_1.R1084	Score	422
Exons	8062..8220, 8384..8518		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o1.tm	Method	TBLASTX:Maize
Start	1333	End	2344
GI	none	Score	588
Exons	1333..1911, 1334..1942, 1658..1912, 1952..2083, 2023..2064, 2188..2238, 2279..2344		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o5.tw	Method	TBLASTX:Wheat
Start	2264	End	2701
GI	none	Score	110
Exons	2264..2461, 2531..2701		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o2.ts	Method	TBLASTX:Soybean
Start	2558	End	2944
GI	none	Score	344
Exons	2558..2944, 2569..2775		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o2.tw	Method	TBLASTX:Wheat
Start	2720	End	3382
GI	none	Score	252
Exons	2720..2959, 2734..2958, 2999..3304, 3022..3282, 3283..3357, 3284..3382		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o5.tm	Method	TBLASTX:Maize
Start	2735	End	3193

GI	none	Score	128
Exons	2735..2959, 3008..3193, 3010..3171		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o2.tc	Method	TBLASTX:Cress
Start	2999	End	3379
GI	none	Score	123
Exons	2999..3199, 3212..3379		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o5.ts	Method	TBLASTX:Soybean
Start	2999	End	3385
GI	none	Score	186
Exons	2999..3208, 3001..3180, 3212..3385		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o1.ts	Method	TBLASTX:Soybean
Start	3896	End	4333
GI	5509260	Score	365
Exons	3896..4333, 3985..4257, 4300..4332		
GI Descrip.	-		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o1.tc	Method	TBLASTX:Cress
Start	3983	End	4243
GI	none	Score	249
Exons	3983..4243, 3985..4221		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o1.tw	Method	TBLASTX:Wheat
Start	4024	End	4804
GI	none	Score	364
Exons	4024..4371, 4025..4369, 4025..4378, 4354..4800, 4355..4804		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o4.tm	Method	TBLASTX:Maize
Start	4025	End	4468
GI	none	Score	275
Exons	4025..4333, 4042..4332, 4367..4468		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o3.tm	Method	TBLASTX:Maize
Start	4469	End	4900

GI	none	Score	81
Exons	4469..4630, 4604..4900, 4744..4899		
Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o3.ts	Method	TBLASTX:Soybean
Start	4790	End	5356
GI	none	Score	131
Exons	4790..4972, 4981..5082, 4985..5176, 5165..5356		
Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o8.tm	Method	TBLASTX:Maize
Start	4913	End	5371
GI	none	Score	55
Exons	4913..4972, 4955..5131, 5180..5371		
Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o3.tw	Method	TBLASTX:Wheat
Start	4960	End	5359
GI	none	Score	282
Exons	4960..5193, 4964..5359		
Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o9.tm	Method	TBLASTX:Maize
Start	6399	End	6823
GI	none	Score	51
Exons	6399..6446, 6401..6445, 6482..6616, 6483..6605, 6683..6811, 6686..6823, 6687..6821		
Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o4.tw	Method	TBLASTX:Wheat
Start	7231	End	8472
GI	none	Score	106
Exons	7231..7311, 7235..7348, 7236..7319, 8054..8212, 8058..8213, 8072..8218, 8110..8217, 8379..8471, 8380..8472		
Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o6.tm	Method	TBLASTX:Maize
Start	7268	End	8544
GI	none	Score	73
Exons	7268..7354, 7268..7348, 8051..8218, 8054..8221, 8058..8222, 8376..8486, 8377..8544, 8386..8490		
Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662

Name	OJ000122_49.0316.C7.o2.gp	Method	AAT/GAP
Start	9223	End	9685
GI	2442924	Score	560
Exons	9223..9498, 9645..9685		
GI Descrip.	5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o3.np	Method	AAT/NAP
Start	9352	End	13662
GI	4850399	Score	1286
Exons	9352..9498, 9645..9752, 9851..9910, 9944..9982, 10079..10491, 10561..10765, 10820..10945, 11439..11492, 11576..11650, 11746..11805, 12139..12243, 12513..12566, 12656..12805, 12910..13042, 13110..13234, 13363..13662		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o7.ts	Method	TBLASTX:Soybean
Start	9379	End	10120
GI	none	Score	62
Exons	9379..9498, 9402..9506, 9436..9501, 9645..9752, 9649..9753, 9845..9922, 10079..10120		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o2.tm	Method	TBLASTX:Maize
Start	9705	End	12727
GI	none	Score	110
Exons	9705..9752, 9845..9952, 9850..10008, 9852..9959, 10075..10308, 10078..10308, 10378..10446, 10459..10563, 10475..10558, 10485..10562, 10553..10765, 10562..10768, 10564..10767, 10832..10942, 10833..10943, 10842..10943, 10867..10947, 11436..11495, 11440..11493, 11573..11671, 11575..11646, 11576..11650, 11743..11811, 11746..11811, 12139..12237, 12140..12235, 12413..12463, 12510..12569, 12511..12567, 12656..12727, 12663..12725		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o3.gs	Method	GENSCAN
Start	10001	End	13539
GI	none	Score	.7
Exons	10001..10792, 10844..10945, 12513..12566, 12656..12805, 12910..13042, 13110..13234, 13363..13539		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o3.gp	Method	AAT/GAP
Start	10497	End	10933

GI	427365	Score	681
Exons	10497..10765, 10844..10933		
GI Descrip.	4850399/gb|AAD31069.1|AC007357_18 1.0e-13 (AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o6.ts	Method	TBLASTX:Soybean
Start	10841	End	11778
GI	none	Score	117
Exons	10841..10942, 10842..10946, 11439..11495, 11442..11492, 11573..11671, 11575..11646, 11576..11650, 11743..11778		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o7.tm	Method	TBLASTX:Maize
Start	12946	End	13237
GI	none	Score	101
Exons	12946..13041, 12954..13040, 13000..13044, 13007..13045, 13079..13237, 13083..13232, 13109..13237		

Seq. No.	41841	Seq. ID	OJ000122_49.0316.C7
Gene No.	86908	Strand	-
Start	9223	End	13662
Name	OJ000122_49.0316.C7.o4.ts	Method	TBLASTX:Soybean
Start	13100	End	13480
GI	none	Score	93
Exons	13100..13249, 13110..13232, 13363..13479, 13369..13455, 13379..13480		

Seq. No.	41842	Seq. ID	OJ000122_49.0316.C8
Gene No.	86909	Strand	+
Start	88	End	1524
Name	OJ000122_49.0316.C8.o1.gs	Method	GENSCAN
Start	88	End	1524
GI	none	Score	.79
Exons	88..493, 1406..1524		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86910	Strand	+
Start	1	End	122
Name	OJ000122_49.0316.C9.o1.gp	Method	AAT/GAP
Start	1	End	122
GI	63359_1.R1084	Score	163
Exons	1..122		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86911	Strand	+
Start	200	End	5064
Name	OJ000122_49.0316.C9.o1.np	Method	AAT/NAP
Start	200	End	4538
GI	7267279	Score	1582
Exons	200..436, 531..675, 856..965, 1075..1194, 1282..1485,		

1576..1785, 1861..1935, 2018..2164, 2303..2444, 2554..2663, 3016..3174, 3252..3454, 3742..3823, 3979..4083, 4165..4269, 4362..4538

GI Descrip. (AL161503) kinesin-like protein [Arabidopsis thaliana]

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86911	Strand	+
Start	200	End	5064
Name	OJ000122_49.0316.C9.o1.gs	Method	GENSCAN
Start	242	End	5064
GI	none	Score	.96
Exons	242..442, 531..675, 856..965, 1075..1194, 1282..1485, 1576..1785, 1861..1935, 2018..2164, 2303..2444, 2554..2663, 3016..3174, 3252..3454, 3742..3823, 3979..4083, 4165..4269, 4362..4463, 4921..5064		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86911	Strand	+
Start	200	End	5064
Name	OJ000122_49.0316.C9.o2.gp	Method	AAT/GAP
Start	248	End	1113
GI	uC-osf1M202097d05b1	Score	874
Exons	248..442, 531..675, 856..965, 1075..1113		
GI Descrip.	'1170620/sp|P46864|KATB_ARATH 4.0e-19 KINESIN-LIKE PROTEIN B >gi_1084341_pir__S48019 kinesin-related protein katB - Arabidopsis thaliana >gi_1438842_dbj_BAA04673_ (D21137) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86911	Strand	+
Start	200	End	5064
Name	OJ000122_49.0316.C9.o3.gp	Method	AAT/GAP
Start	4041	End	4860
GI	25545_1.R1084	Score	1247
Exons	4041..4083, 4165..4269, 4362..4860		
GI Descrip.	'1170619/sp|Q07970|KATA_ARATH 5.0e-47 KINESIN-LIKE PROTEIN A >gi_479594_pir__S34830 kinesin-related protein katA - Arabidopsis thaliana >gi_303502_dbj_BAA01972_ (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] >gi_2911084_emb_CAA17546.1_ (AL021960) kinesin-related protein katA [Arabidopsis thaliana]'		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86912	Strand	-
Start	6822	End	7331
Name	OJ000122_49.0316.C9.o1.tm	Method	TBLASTX:Maize
Start	305	End	2671
GI	none	Score	129
Exons	305..442, 313..435, 528..674, 530..676, 530..655, 855..968, 855..950, 1073..1192, 1075..1203, 1128..1196, 1276..1482, 1281..1487, 1282..1491, 1538..1756, 1555..1785, 1581..1787, 1582..1839, 1850..1891, 1856..1918, 1860..1922, 1860..1964, 2012..2119, 2017..2118, 2111..2167, 2120..2164, 2302..2361, 2303..2446, 2398..2451, 2544..2588, 2552..2587, 2608..2625, 2624..2671, 2624..2671		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86912	Strand	-
Start	6822	End	7331
Name	OJ000122_49.0316.C9.o1.tc	Method	TBLASTX:Cress
Start	528	End	4547
GI	none	Score	88
Exons	528..665, 1291..1488, 1296..1424, 1582..1785, 1860..1934, 2015..2164, 2020..2166, 2303..2359, 2348..2446, 2528..2671, 2544..2681, 2577..2687, 3013..3078, 3073..3183, 3084..3176, 3246..3326, 3248..3295, 3327..3455, 3736..3822, 3737..3823, 3972..4079, 3976..4083, 4162..4269, 4164..4262, 4338..4547, 4352..4501		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86912	Strand	-
Start	6822	End	7331
Name	OJ000122_49.0316.C9.o3.ts	Method	TBLASTX:Soybean
Start	1317	End	1698
GI	none	Score	120
Exons	1317..1427, 1318..1491, 1582..1698, 1587..1697		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86912	Strand	-
Start	6822	End	7331
Name	OJ000122_49.0316.C9.o2.ts	Method	TBLASTX:Soybean
Start	2357	End	3461
GI	none	Score	65
Exons	2357..2449, 2553..2681, 2560..2664, 2564..2671, 2568..2687, 2995..3072, 3013..3093, 3073..3183, 3090..3176, 3246..3299, 3248..3292, 3336..3461, 3338..3457		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86912	Strand	-
Start	6822	End	7331
Name	OJ000122_49.0316.C9.o2.tm	Method	TBLASTX:Maize
Start	2987	End	3322
GI	none	Score	261
Exons	2987..3172, 3013..3183, 3013..3174, 3247..3321, 3247..3321, 3248..3322		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86912	Strand	-
Start	6822	End	7331
Name	OJ000122_49.0316.C9.o3.tm	Method	TBLASTX:Maize
Start	3976	End	4411
GI	none	Score	146
Exons	3976..4080, 3990..4079, 4023..4085, 4161..4259, 4164..4262, 4165..4269, 4168..4275, 4338..4409, 4352..4411		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86912	Strand	-
Start	6822	End	7331
Name	OJ000122_49.0316.C9.o1.ts	Method	TBLASTX:Soybean
Start	4048	End	4544
GI	none	Score	55
Exons	4048..4080, 4050..4079, 4164..4262, 4165..4269, 4338..4544, 4352..4513		

Seq. No.	41843	Seq. ID	OJ000122_49.0316.C9
Gene No.	86912	Strand	-
Start	6822	End	7331
Name	OJ000122_49.0316.C9.o2.gs	Method	GENSCAN
Start	6822	End	7331
GI	none	Score	.54
Exons	6822..7021, 7283..7331		

Seq. No.	41844	Seq. ID	OJ000122_49.0316.C10
Gene No.	86913	Strand	+
Start	1418	End	2551
Name	OJ000122_49.0316.C10.o1.gs	Method	GENSCAN
Start	1418	End	2551
GI	none	Score	.99
Exons	1418..2551		

Seq. No.	41844	Seq. ID	OJ000122_49.0316.C10
Gene No.	86914	Strand	+
Start	3551	End	4088
Name	OJ000122_49.0316.C10.o2.gs	Method	GENSCAN
Start	3551	End	4064
GI	none	Score	.47
Exons	3551..3756, 3997..4064		

Seq. No.	41844	Seq. ID	OJ000122_49.0316.C10
Gene No.	86914	Strand	+
Start	3551	End	4088
Name	OJ000122_49.0316.C10.o1.np	Method	AAT/NAP
Start	3934	End	4088
GI	7363271	Score	117
Exons	3934..4088		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86915	Strand	+
Start	4727	End	8542
Name	OJ000122_49.0316.C11.o3.np	Method	AAT/NAP
Start	4727	End	8542
GI	5295955	Score	467
Exons	4727..4869, 5971..6106, 6645..6758, 7440..7604, 7636..7743, 7792..7931, 8010..8089, 8129..8542		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o1.gs	Method	GENSCAN
Start	488	End	8140
GI	none	Score	.64
Exons	488..5038, 7849..7934, 8026..8140		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o1.np	Method	AAT/NAP

Start	491	End	5038
GI	4680179	Score	6764
Exons	491..5038		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o7.tm	Method	TBLASTX:Maize
Start	515	End	727
GI	none	Score	206
Exons	515..727		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o6.tw	Method	TBLASTX:Wheat
Start	536	End	869
GI	none	Score	107
Exons	536..868, 537..869		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o1.tm	Method	TBLASTX:Maize
Start	728	End	1315
GI	none	Score	162
Exons	728..1156, 729..989, 1059..1151, 1154..1315, 1161..1307, 1163..1309		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o1.tw	Method	TBLASTX:Wheat
Start	869	End	1495
GI	none	Score	379
Exons	869..1495, 870..1493		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o4.tm	Method	TBLASTX:Maize
Start	1364	End	1655
GI	none	Score	257
Exons	1364..1654, 1368..1655		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o2.ts	Method	TBLASTX:Soybean
Start	1454	End	1714
GI	none	Score	164
Exons	1454..1714, 1455..1709		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140

Name	OJ000122_49.0316.C11.o1.tc	Method	TBLASTX:Cress
Start	1478	End	1795
GI	none	Score	92
Exons	1478..1621, 1479..1619, 1622..1795		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o3.tw	Method	TBLASTX:Wheat
Start	1502	End	1981
GI	none	Score	261
Exons	1502..1981, 1503..1757, 1538..1948		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o2.tw	Method	TBLASTX:Wheat
Start	1985	End	2494
GI	none	Score	262
Exons	1985..2494, 2072..2452, 2076..2486		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o2.tm	Method	TBLASTX:Maize
Start	2059	End	2422
GI	none	Score	238
Exons	2059..2382, 2069..2422, 2076..2420		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o3.ts	Method	TBLASTX:Soybean
Start	2243	End	2488
GI	none	Score	209
Exons	2243..2488		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o3.tm	Method	TBLASTX:Maize
Start	2459	End	2959
GI	none	Score	39
Exons	2459..2794, 2505..2552, 2577..2708, 2780..2959		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o5.tw	Method	TBLASTX:Wheat
Start	2495	End	2797
GI	none	Score	243
Exons	2495..2797, 2496..2768, 2504..2794, 2719..2796		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o1.ts	Method	TBLASTX:Soybean

Start	2510	End	2905
GI	none	Score	171
Exons	2510..2869, 2511..2777, 2540..2857, 2722..2862, 2873..2905, 2877..2903		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o4.tw	Method	TBLASTX:Wheat
Start	2846	End	3328
GI	none	Score	271
Exons	2846..3328, 2889..3224		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o4.ts	Method	TBLASTX:Soybean
Start	2978	End	3292
GI	none	Score	183
Exons	2978..3292		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o5.tm	Method	TBLASTX:Maize
Start	3027	End	3316
GI	none	Score	174
Exons	3027..3218, 3029..3316		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o8.tw	Method	TBLASTX:Wheat
Start	3503	End	3904
GI	none	Score	54
Exons	3503..3676, 3534..3602, 3584..3643, 3680..3904, 3738..3890		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o8.tm	Method	TBLASTX:Maize
Start	3590	End	3866
GI	none	Score	78
Exons	3590..3865, 3765..3866		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o6.tm	Method	TBLASTX:Maize
Start	4232	End	4564
GI	none	Score	109
Exons	4232..4564, 4377..4541		

Seq. No.	41845	Seq. ID	OJ000122_49.0316.C11
Gene No.	86916	Strand	-
Start	488	End	8140
Name	OJ000122_49.0316.C11.o7.tw	Method	TBLASTX:Wheat

Start	4445	End	4825
GI	none	Score	141
Exons	4445..4825, 4446..4805		

Seq. No.	41846	Seq. ID	OJ000122_49.0316.C12
Gene No.	86917	Strand	-
Start	1	End	827
Name	OJ000122_49.0316.C12.o1.gp	Method	AAT/GAP
Start	1	End	827
GI	21070_1.R1084	Score	643
Exons	1..179, 596..827		
GI Descrip.	'4928460/gb|AAD33596.1|AF133127_1 6.0e-28 (AF133127) thioredoxin h [Hevea brasiliensis]'		

Seq. No.	41846	Seq. ID	OJ000122_49.0316.C12
Gene No.	86917	Strand	-
Start	1	End	827
Name	OJ000122_49.0316.C12.o1.np	Method	AAT/NAP
Start	1	End	697
GI	4928460	Score	186
Exons	1..179, 596..697		
GI Descrip.	(AF133127) thioredoxin h [Hevea brasiliensis]		

Seq. No.	41846	Seq. ID	OJ000122_49.0316.C12
Gene No.	86917	Strand	-
Start	1	End	827
Name	OJ000122_49.0316.C12.o1.tm	Method	TBLASTX:Maize
Start	53	End	191
GI	none	Score	151
Exons	53..187, 54..191, 54..179, 74..187		

Seq. No.	41846	Seq. ID	OJ000122_49.0316.C12
Gene No.	86917	Strand	-
Start	1	End	827
Name	OJ000122_49.0316.C12.o1.gs	Method	GENSCAN
Start	57	End	703
GI	none	Score	.94
Exons	57..179, 596..703		

Seq. No.	41847	Seq. ID	OJ000122_49.0316.C13
Gene No.	86918	Strand	+
Start	2050	End	2835
Name	OJ000122_49.0316.C13.o1.gs	Method	GENSCAN
Start	2050	End	2835
GI	none	Score	.58
Exons	2050..2134, 2215..2340, 2657..2835		

Seq. No.	41847	Seq. ID	OJ000122_49.0316.C13
Gene No.	86919	Strand	-
Start	558	End	1023
Name	OJ000122_49.0316.C13.o1.gp	Method	AAT/GAP
Start	558	End	1023
GI	none	Score	878
Exons	558..1023		

Seq. No.	41848	Seq. ID	OJ000122_36.0307.C8
Gene No.	86920	Strand	-

Start	861	End	1595
Name	OJ000122_36.0307.C8.o1.gp	Method	AAT/GAP
Start	861	End	1595
GI	101153_1.R1084	Score	385
Exons	861..911, 1366..1595		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41848	Seq. ID	OJ000122_36.0307.C8
Gene No.	86921	Strand	-
Start	1603	End	2118
Name	OJ000122_36.0307.C8.o2.gp	Method	AAT/GAP
Start	1603	End	2118
GI	uC-osf1M202048c12b1	Score	714
Exons	1603..2118		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	41848	Seq. ID	OJ000122_36.0307.C8
Gene No.	86922	Strand	-
Start	2576	End	2880
Name	OJ000122_36.0307.C8.o3.gp	Method	AAT/GAP
Start	2576	End	2880
GI	61605_3.R1084	Score	432
Exons	2576..2880		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	41849	Seq. ID	OJ000122_36.0307.C9
Gene No.	86923	Strand	
Start	18	End	299
Name	OJ000122_36.0307.C9.o2.tm	Method	TBLASTX:Maize
Start	18	End	299
GI	none	Score	85
Exons	18..299, 28..189		

Seq. No.	41849	Seq. ID	OJ000122_36.0307.C9
Gene No.	86924	Strand	
Start	497	End	926
Name	OJ000122_36.0307.C9.o2.tw	Method	TBLASTX:Wheat
Start	497	End	926
GI	none	Score	181
Exons	497..916, 504..926		

Seq. No.	41849	Seq. ID	OJ000122_36.0307.C9
Gene No.	86925	Strand	
Start	932	End	1392
Name	OJ000122_36.0307.C9.o1.ts	Method	TBLASTX:Soybean
Start	932	End	1258
GI	none	Score	39
Exons	932..1258, 933..983, 1098..1241		

Seq. No.	41849	Seq. ID	OJ000122_36.0307.C9
Gene No.	86925	Strand	
Start	932	End	1392
Name	OJ000122_36.0307.C9.o1.tw	Method	TBLASTX:Wheat
Start	932	End	1335

GI	none	Score	180
Exons	932..1312, 1023..1280, 1288..1335		
Seq. No.	41849	Seq. ID	OJ000122_36.0307.C9
Gene No.	86925	Strand	
Start	932	End	1392
Name	OJ000122_36.0307.C9.o1.tm	Method	TBLASTX:Maize
Start	1010	End	1392
GI	none	Score	175
Exons	1010..1312, 1023..1280, 1300..1392		
Seq. No.	41849	Seq. ID	OJ000122_36.0307.C9
Gene No.	86926	Strand	
Start	1336	End	1512
Name	OJ000122_36.0307.C9.o3.tw	Method	TBLASTX:Wheat
Start	1336	End	1512
GI	none	Score	96
Exons	1336..1512, 1336..1512		
Seq. No.	41850	Seq. ID	OJ000122_36.0307.C12
Gene No.	86927	Strand	
Start	5	End	805
Name	OJ000122_36.0307.C12.o1.tc	Method	TBLASTX:Cress
Start	5	End	802
GI	none	Score	102
Exons	5..289, 317..400, 446..802, 466..669, 647..754		
Seq. No.	41850	Seq. ID	OJ000122_36.0307.C12
Gene No.	86927	Strand	
Start	5	End	805
Name	OJ000122_36.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	8	End	802
GI	none	Score	74
Exons	8..190, 110..313, 110..292, 224..313, 317..400, 440..529, 461..784, 545..673, 560..721, 560..802, 644..754		
Seq. No.	41850	Seq. ID	OJ000122_36.0307.C12
Gene No.	86927	Strand	
Start	5	End	805
Name	OJ000122_36.0307.C12.o1.ts	Method	TBLASTX:Soybean
Start	110	End	787
GI	none	Score	111
Exons	110..313, 461..787		
Seq. No.	41850	Seq. ID	OJ000122_36.0307.C12
Gene No.	86927	Strand	
Start	5	End	805
Name	OJ000122_36.0307.C12.o1.tw	Method	TBLASTX:Wheat
Start	119	End	805
GI	none	Score	84
Exons	119..307, 398..802, 719..805		
Seq. No.	41851	Seq. ID	OJ000122_36.0307.C14
Gene No.	86928	Strand	-
Start	494	End	913
Name	OJ000122_36.0307.C14.o1.gp	Method	AAT/GAP
Start	494	End	774

GI	none	Score	535
Exons	494..774		
Seq. No.	41851	Seq. ID	OJ000122_36.0307.C14
Gene No.	86928	Strand	-
Start	494	End	913
Name	OJ000122_36.0307.C14.o1.ts	Method	TBLASTX:Soybean
Start	646	End	913
GI	none	Score	58
Exons	646..777, 863..913		
Seq. No.	41852	Seq. ID	OJ000122_36.0307.C15
Gene No.	86929	Strand	+
Start	1	End	264
Name	OJ000122_36.0307.C15.o1.gp	Method	AAT/GAP
Start	1	End	264
GI	1777_1.R1084	Score	417
Exons	1..264		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	41852	Seq. ID	OJ000122_36.0307.C15
Gene No.	86930	Strand	
Start	449	End	1083
Name	OJ000122_36.0307.C15.o1.tm	Method	TBLASTX:Maize
Start	449	End	1083
GI	none	Score	64
Exons	449..523, 580..717, 594..683, 597..716, 597..719, 598..834, 600..731, 703..873, 707..829, 717..839, 719..841, 728..835, 729..839, 732..848, 733..879, 733..885, 753..791, 753..839, 753..851, 820..924, 821..913, 874..966, 875..964, 875..973, 901..1053, 903..1058, 904..1053, 909..1061, 913..1062, 928..1047, 940..1083, 957..1076, 971..1033		
Seq. No.	41853	Seq. ID	OJ000122_36.0307.C16
Gene No.	86931	Strand	+
Start	1391	End	4372
Name	OJ000122_36.0307.C16.o1.gp	Method	AAT/GAP
Start	1391	End	4372
GI	775_2.R1084	Score	1418
Exons	1391..1577, 1963..2025, 2185..2268, 2652..2759, 2913..3085, 4085..4196, 4319..4372		
GI Descrip.	'2384760 0.0e+00 (AF016897) GDP dissociation inhibitor protein OsGDI2 [Oryza sativa]'		
Seq. No.	41853	Seq. ID	OJ000122_36.0307.C16
Gene No.	86931	Strand	+
Start	1391	End	4372
Name	OJ000122_36.0307.C16.o1.tc	Method	TBLASTX:Cress
Start	1485	End	4372
GI	none	Score	149
Exons	1485..1580, 1520..1579, 1956..2021, 1957..2034, 1957..2025, 2184..2267, 2185..2295, 2640..2762, 2645..2761, 2895..3086, 2921..3085, 4086..4199, 4086..4193, 4315..4371, 4317..4370, 4319..4372		
Seq. No.	41853	Seq. ID	OJ000122_36.0307.C16

Gene No.	86931	Strand	+
Start	1391	End	4372
Name	OJ000122_36.0307.C16.o1.tm	Method	TBLASTX:Maize
Start	1488	End	4372
GI	none	Score	153
Exons	1488..1580, 1489..1518, 1520..1579, 1637..1672, 1685..1714, 1956..2021, 1957..2034, 1957..2025, 2183..2266, 2184..2267, 2184..2267, 2185..2295, 2641..2760, 2645..2758, 2646..2762, 2649..2759, 2895..3086, 2909..3085, 4077..4196, 4084..4194, 4086..4199, 4315..4371, 4317..4370, 4319..4372		

Seq. No.	41853	Seq. ID	OJ000122_36.0307.C16
Gene No.	86931	Strand	+
Start	1391	End	4372
Name	OJ000122_36.0307.C16.o1.ts	Method	TBLASTX:Soybean
Start	1491	End	4372
GI	none	Score	149
Exons	1491..1580, 1491..1526, 1520..1579, 1956..2021, 1957..2034, 2184..2264, 2185..2268, 2640..2762, 2645..2761, 2651..2764, 2895..3086, 2910..3083, 2915..3085, 4086..4199, 4086..4193, 4292..4369, 4315..4371, 4317..4370, 4319..4372		

Seq. No.	41853	Seq. ID	OJ000122_36.0307.C16
Gene No.	86931	Strand	+
Start	1391	End	4372
Name	OJ000122_36.0307.C16.o1.tw	Method	TBLASTX:Wheat
Start	1957	End	3048
GI	none	Score	113
Exons	1957..2034, 1957..2025, 1971..2027, 2181..2267, 2184..2267, 2185..2295, 2645..2758, 2646..2762, 2649..2759, 2895..3047, 2909..3037, 2910..3047, 2962..3048		

Seq. No.	41854	Seq. ID	OJ000122_36.0307.C17
Gene No.	86932	Strand	+
Start	123	End	1378
Name	OJ000122_36.0307.C17.o1.tc	Method	TBLASTX:Cress
Start	98	End	761
GI	none	Score	183
Exons	98..253, 100..264, 113..253, 127..255, 375..668, 382..615, 677..751, 678..752, 678..761, 679..753		

Seq. No.	41854	Seq. ID	OJ000122_36.0307.C17
Gene No.	86932	Strand	+
Start	123	End	1378
Name	OJ000122_36.0307.C17.o1.tw	Method	TBLASTX:Wheat
Start	107	End	458
GI	none	Score	189
Exons	107..253, 113..253, 127..321, 127..264, 375..458, 382..456		

Seq. No.	41854	Seq. ID	OJ000122_36.0307.C17
Gene No.	86932	Strand	+
Start	123	End	1378
Name	OJ000122_36.0307.C17.o1.tm	Method	TBLASTX:Maize
Start	113	End	1092
GI	none	Score	189
Exons	113..253, 127..321, 127..264, 192..287, 340..495, 375..614, 382..615, 678..761, 679..753, 1012..1092		

Seq. No.	41854	Seq. ID	OJ000122_36.0307.C17
Gene No.	86932	Strand	+
Start	123	End	1378
Name	OJ000122_36.0307.C17.o1.ts	Method	TBLASTX:Soybean
Start	113	End	756
GI	none	Score	188
Exons	113..253, 125..253, 127..255, 382..615, 678..755, 678..755,	148..255, 679..756	210..266, 375..605,

Seq. No.	41854	Seq. ID	OJ000122_36.0307.C17
Gene No.	86932	Strand	+
Start	123	End	1378
Name	OJ000122_36.0307.C17.o1.gp	Method	AAT/GAP
Start	123	End	1378
GI	775_2.R1084	Score	1425
Exons	123..252, 381..591, 679..753,	1015..1378	
GI Descrip.	'2384760 0.0e+00 (AF016897) GDP dissociation inhibitor protein OsGDI2 [Oryza sativa]'		

Seq. No.	41855	Seq. ID	OJ000122_36.0307.C20
Gene No.	86933	Strand	-
Start	1420	End	1843
Name	OJ000122_36.0307.C20.o1.gp	Method	AAT/GAP
Start	1420	End	1843
GI	LIB3477-006-P1-K1-D4	Score	825
Exons	1420..1843		
GI Descrip.	'3297810/emb|CAA19868.1| 5.0e-17 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	41856	Seq. ID	OJ000122_36.0307.C23
Gene No.	86934	Strand	
Start	446	End	1036
Name	OJ000122_36.0307.C23.o1.tm	Method	TBLASTX:Maize
Start	446	End	951
GI	none	Score	291
Exons	446..658, 456..665, 462..659, 749..946, 760..951	666..713, 723..950, 723..944,	

Seq. No.	41856	Seq. ID	OJ000122_36.0307.C23
Gene No.	86934	Strand	
Start	446	End	1036
Name	OJ000122_36.0307.C23.o1.ts	Method	TBLASTX:Soybean
Start	470	End	656
GI	none	Score	190
Exons	470..655, 471..656		

Seq. No.	41856	Seq. ID	OJ000122_36.0307.C23
Gene No.	86934	Strand	
Start	446	End	1036
Name	OJ000122_36.0307.C23.o1.tw	Method	TBLASTX:Wheat
Start	573	End	1036
GI	none	Score	83
Exons	573..1022, 577..675, 582..1034,	736..1026, 752..1036	

Seq. No.	41856	Seq. ID	OJ000122_36.0307.C23
Gene No.	86935	Strand	

Start	957	End	1571
Name	OJ000122_36.0307.C23.o2.tm	Method	TBLASTX:Maize
Start	957	End	1571
GI	none	Score	485
Exons	957..1256, 995..1303, 1530..1571		

Seq. No.	41857	Seq. ID	OJ000122_36.0307.C26
Gene No.	86936	Strand	
Start	1471	End	1645
Name	OJ000122_36.0307.C26.o1.ts	Method	TBLASTX:Soybean
Start	1471	End	1645
GI	none	Score	101
Exons	1471..1644, 1472..1645		

Seq. No.	41857	Seq. ID	OJ000122_36.0307.C26
Gene No.	86936	Strand	
Start	1471	End	1645
Name	OJ000122_36.0307.C26.o1.tc	Method	TBLASTX:Cress
Start	1480	End	1629
GI	none	Score	69
Exons	1480..1629, 1498..1608		

Seq. No.	41857	Seq. ID	OJ000122_36.0307.C26
Gene No.	86936	Strand	
Start	1471	End	1645
Name	OJ000122_36.0307.C26.o1.tm	Method	TBLASTX:Maize
Start	1483	End	1644
GI	none	Score	86
Exons	1483..1644, 1487..1630		

Seq. No.	41858	Seq. ID	OJ000122_36.0307.C31
Gene No.	86937	Strand	-
Start	1	End	160
Name	OJ000122_36.0307.C31.o1.gp	Method	AAT/GAP
Start	1	End	160
GI	1777_1.R1084	Score	293
Exons	1..160		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	41859	Seq. ID	OJ000122_36.0307.C34
Gene No.	86938	Strand	
Start	3	End	746
Name	OJ000122_36.0307.C34.o1.ts	Method	TBLASTX:Soybean
Start	3	End	437
GI	none	Score	151
Exons	3..437, 10..285, 260..343		

Seq. No.	41859	Seq. ID	OJ000122_36.0307.C34
Gene No.	86938	Strand	
Start	3	End	746
Name	OJ000122_36.0307.C34.o2.tm	Method	TBLASTX:Maize
Start	3	End	332
GI	none	Score	159
Exons	3..332, 10..291		

Seq. No.	41859	Seq. ID	OJ000122_36.0307.C34

Gene No.	86938	Strand	
Start	3	End	746
Name	OJ000122_36.0307.C34.o1.tc	Method	TBLASTX:Cress
Start	198	End	581
GI	none	Score	120
Exons	198..581, 219..569		

Seq. No.	41859	Seq. ID	OJ000122_36.0307.C34
Gene No.	86938	Strand	
Start	3	End	746
Name	OJ000122_36.0307.C34.o1.tw	Method	TBLASTX:Wheat
Start	315	End	746
GI	none	Score	110
Exons	315..626, 331..597, 375..491, 657..746		

Seq. No.	41859	Seq. ID	OJ000122_36.0307.C34
Gene No.	86938	Strand	
Start	3	End	746
Name	OJ000122_36.0307.C34.o1.tm	Method	TBLASTX:Maize
Start	354	End	734
GI	none	Score	440
Exons	354..734, 355..732		

Seq. No.	41860	Seq. ID	OJ000122_36.0307.C35
Gene No.	86939	Strand	-
Start	645	End	800
Name	OJ000122_36.0307.C35.o1.gp	Method	AAT/GAP
Start	645	End	800
GI	none	Score	276
Exons	645..800		

Seq. No.	41860	Seq. ID	OJ000122_36.0307.C35
Gene No.	86939	Strand	-
Start	645	End	800
Name	OJ000122_36.0307.C35.o1.tm	Method	TBLASTX:Maize
Start	649	End	800
GI	none	Score	152
Exons	649..786, 653..799, 654..800, 654..800		

Seq. No.	41861	Seq. ID	OJ000122_36.0307.C39
Gene No.	86940	Strand	-
Start	730	End	817
Name	OJ000122_36.0307.C39.o1.gp	Method	AAT/GAP
Start	730	End	817
GI	2280847	Score	135
Exons	730..817		

Seq. No.	41861	Seq. ID	OJ000122_36.0307.C39
Gene No.	86941	Strand	
Start	740	End	1310
Name	OJ000122_36.0307.C39.o1.tm	Method	TBLASTX:Maize
Start	740	End	1310
GI	none	Score	133
Exons	740..826, 915..986, 1052..1147, 1063..1149, 1066..1146, 1077..1160, 1259..1309, 1272..1310		

Seq. No.	41861	Seq. ID	OJ000122_36.0307.C39

Gene No.	86942	Strand	
Start	3136	End	4551
Name	OJ000122_36.0307.C39.o2.tm	Method	TBLASTX:Maize
Start	3136	End	4551
GI	none	Score	64
Exons	3136..3225, 3137..3226, 3288..3341, 3295..3342, 3343..3399, 3345..3398, 3405..3461, 3407..3448, 4498..4551		

Seq. No.	41862	Seq. ID	OJ000122_36.0307.C41
Gene No.	86943	Strand	+
Start	2403	End	2768
Name	OJ000122_36.0307.C41.o1.gp	Method	AAT/GAP
Start	2403	End	2768
GI	none	Score	453
Exons	2403..2612, 2720..2768		

Seq. No.	41863	Seq. ID	OJ000122_36.0307.C43
Gene No.	86944	Strand	+
Start	1465	End	3546
Name	OJ000122_36.0307.C43.o1.gp	Method	AAT/GAP
Start	1465	End	2544
GI	1631472	Score	608
Exons	1465..1562, 1748..1894, 2449..2544		
GI Descrip.	3297810/emb|CAA19868.1| 5.0e-17 (AL031032) putative protein [Arabidopsis thaliana]		

Seq. No.	41863	Seq. ID	OJ000122_36.0307.C43
Gene No.	86944	Strand	+
Start	1465	End	3546
Name	OJ000122_36.0307.C43.o1.tc	Method	TBLASTX:Cress
Start	2442	End	2787
GI	none	Score	64
Exons	2442..2780, 2445..2504, 2446..2787, 2683..2787		

Seq. No.	41863	Seq. ID	OJ000122_36.0307.C43
Gene No.	86944	Strand	+
Start	1465	End	3546
Name	OJ000122_36.0307.C43.o1.ts	Method	TBLASTX:Soybean
Start	2485	End	2892
GI	none	Score	180
Exons	2485..2652, 2490..2648, 2656..2892, 2700..2891		

Seq. No.	41863	Seq. ID	OJ000122_36.0307.C43
Gene No.	86944	Strand	+
Start	1465	End	3546
Name	OJ000122_36.0307.C43.o1.tm	Method	TBLASTX:Maize
Start	2556	End	3486
GI	none	Score	117
Exons	2556..2765, 2584..3087, 2584..2805, 2589..3086, 3319..3411, 3330..3407, 3421..3486, 3429..3485		

Seq. No.	41863	Seq. ID	OJ000122_36.0307.C43
Gene No.	86944	Strand	+
Start	1465	End	3546
Name	OJ000122_36.0307.C43.o2.tc	Method	TBLASTX:Cress
Start	2788	End	3069
GI	none	Score	78

Exons	2788..2889, 2878..3069, 2934..3056		
Seq. No.	41863	Seq. ID	OJ000122_36.0307.C43
Gene No.	86944	Strand	+
Start	1465	End	3546
Name	OJ000122_36.0307.C43.o1.tw	Method	TBLASTX:Wheat
Start	2950	End	3546
GI	none	Score	138
Exons	2950..3060, 2953..3060, 3331..3408, 3331..3426, 3427..3546, 3435..3545		
Seq. No.	41863	Seq. ID	OJ000122_36.0307.C43
Gene No.	86945	Strand	
Start	3488	End	3654
Name	OJ000122_36.0307.C43.o2.tm	Method	TBLASTX:Maize
Start	3488	End	3654
GI	none	Score	87
Exons	3488..3535, 3488..3532, 3525..3629, 3526..3654		
Seq. No.	41864	Seq. ID	OJ000122_36.0307.C45
Gene No.	86946	Strand	+
Start	3805	End	4051
Name	OJ000122_36.0307.C45.o1.tc	Method	TBLASTX:Cress
Start	320	End	637
GI	none	Score	85
Exons	320..637, 348..548		
Seq. No.	41864	Seq. ID	OJ000122_36.0307.C45
Gene No.	86946	Strand	+
Start	3805	End	4051
Name	OJ000122_36.0307.C45.o1.ts	Method	TBLASTX:Soybean
Start	320	End	641
GI	none	Score	83
Exons	320..637, 348..548, 600..641		
Seq. No.	41864	Seq. ID	OJ000122_36.0307.C45
Gene No.	86946	Strand	+
Start	3805	End	4051
Name	OJ000122_36.0307.C45.o1.gp	Method	AAT/GAP
Start	3805	End	4051
GI	LIB3477-003-P1-K1-E9	Score	97
Exons	3805..3876, 4026..4051		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	41865	Seq. ID	OJ000122_36.0307.C48
Gene No.	86947	Strand	+
Start	2105	End	4622
Name	OJ000122_36.0307.C48.o3.tw	Method	TBLASTX:Wheat
Start	1037	End	1369
GI	none	Score	59
Exons	1037..1168, 1038..1130, 1175..1369		
Seq. No.	41865	Seq. ID	OJ000122_36.0307.C48
Gene No.	86947	Strand	+
Start	2105	End	4622

Name	OJ000122_36.0307.C48.o2.tm	Method	TBLASTX:Maize
Start	1118	End	1794
GI	none	Score	90
Exons	1118..1426, 1426..1560, 1618..1794, 1634..1738		

Seq. No.	41865	Seq. ID	OJ000122_36.0307.C48
Gene No.	86947	Strand	+
Start	2105	End	4622
Name	OJ000122_36.0307.C48.o1.gp	Method	AAT/GAP
Start	2105	End	2533
GI	none	Score	850
Exons	2105..2533		

Seq. No.	41865	Seq. ID	OJ000122_36.0307.C48
Gene No.	86947	Strand	+
Start	2105	End	4622
Name	OJ000122_36.0307.C48.o1.tm	Method	TBLASTX:Maize
Start	2262	End	3047
GI	none	Score	106
Exons	2262..2378, 2314..2355, 2315..2377, 2378..2443, 2379..2423, 2395..2430, 2504..2674, 2522..2695, 2532..2702, 2676..3047, 2678..3046		

Seq. No.	41865	Seq. ID	OJ000122_36.0307.C48
Gene No.	86947	Strand	+
Start	2105	End	4622
Name	OJ000122_36.0307.C48.o1.ts	Method	TBLASTX:Soybean
Start	2292	End	4622
GI	none	Score	58
Exons	2292..2390, 2312..2362, 2390..2443, 2394..2423, 2525..2866, 2556..2840, 2876..3091, 2979..3095, 3516..3761, 3517..3750, 4578..4622		

Seq. No.	41865	Seq. ID	OJ000122_36.0307.C48
Gene No.	86947	Strand	+
Start	2105	End	4622
Name	OJ000122_36.0307.C48.o1.tc	Method	TBLASTX:Cress
Start	2307	End	4622
GI	none	Score	64
Exons	2307..2390, 2309..2362, 2381..2437, 2534..2854, 2553..2864, 2864..3127, 2976..3092, 3549..3755, 3550..3756, 3564..3767, 4578..4622		

Seq. No.	41865	Seq. ID	OJ000122_36.0307.C48
Gene No.	86947	Strand	+
Start	2105	End	4622
Name	OJ000122_36.0307.C48.o1.tw	Method	TBLASTX:Wheat
Start	2756	End	3079
GI	none	Score	64
Exons	2756..2860, 2756..3058, 2757..3059, 2912..3079		

Seq. No.	41865	Seq. ID	OJ000122_36.0307.C48
Gene No.	86947	Strand	+
Start	2105	End	4622
Name	OJ000122_36.0307.C48.o3.tm	Method	TBLASTX:Maize
Start	3498	End	4622
GI	none	Score	186

Exons	3498..3548, 3537..3767, 3549..3761, 3750..3773, 4578..4622		
Seq. No.	41865	Seq. ID	OJ000122_36.0307.C48
Gene No.	86947	Strand	+
Start	2105	End	4622
Name	OJ000122_36.0307.C48.o2.tw	Method	TBLASTX:Wheat
Start	3526	End	4619
GI	none	Score	176
Exons	3526..3762, 3526..3639, 3528..3761, 3667..3762, 4578..4619		
Seq. No.	41866	Seq. ID	OJ000122_39.0308.C1
Gene No.	86948	Strand	
Start	908	End	1368
Name	OJ000122_39.0308.C1.o1.tm	Method	TBLASTX:Maize
Start	908	End	1368
GI	none	Score	94
Exons	908..976, 916..975, 988..1185, 989..1186, 1188..1343, 1189..1344, 1272..1361, 1273..1368		
Seq. No.	41866	Seq. ID	OJ000122_39.0308.C1
Gene No.	86948	Strand	
Start	908	End	1368
Name	OJ000122_39.0308.C1.o1.ts	Method	TBLASTX:Soybean
Start	928	End	1368
GI	none	Score	64
Exons	928..969, 985..1176, 995..1186, 1189..1287, 1297..1368		
Seq. No.	41866	Seq. ID	OJ000122_39.0308.C1
Gene No.	86948	Strand	
Start	908	End	1368
Name	OJ000122_39.0308.C1.o2.tc	Method	TBLASTX:Cress
Start	994	End	1239
GI	none	Score	209
Exons	994..1185, 995..1186, 1188..1238, 1189..1239		
Seq. No.	41866	Seq. ID	OJ000122_39.0308.C1
Gene No.	86948	Strand	
Start	908	End	1368
Name	OJ000122_39.0308.C1.o2.tw	Method	TBLASTX:Wheat
Start	1043	End	1368
GI	none	Score	177
Exons	1043..1186, 1051..1185, 1188..1304, 1189..1290, 1303..1368, 1305..1361		
Seq. No.	41866	Seq. ID	OJ000122_39.0308.C1
Gene No.	86949	Strand	
Start	3820	End	4510
Name	OJ000122_39.0308.C1.o4.tw	Method	TBLASTX:Wheat
Start	3820	End	4510
GI	none	Score	64
Exons	3820..4038, 4121..4192, 4433..4510		
Seq. No.	41866	Seq. ID	OJ000122_39.0308.C1
Gene No.	86950	Strand	
Start	4514	End	4915
Name	OJ000122_39.0308.C1.o3.tw	Method	TBLASTX:Wheat
Start	4514	End	4915

GI	none	Score	75
Exons	4514..4684, 4515..4631, 4679..4915, 4721..4915		

Seq. No.	41866	Seq. ID	OJ000122_39.0308.C1
Gene No.	86951	Strand	
Start	8226	End	9365
Name	OJ000122_39.0308.C1.o1.tw	Method	TBLASTX:Wheat
Start	8226	End	9365
GI	none	Score	52
Exons	8226..8318, 8227..8292, 8319..8387, 8335..8388, 8393..8539, 8394..8540, 8487..8582, 8519..8578, 8584..8649, 8585..8629, 8624..9004, 8640..9041, 8656..9051, 9012..9317, 9068..9325, 9139..9324, 9309..9365, 9310..9363, 9335..9364		

Seq. No.	41866	Seq. ID	OJ000122_39.0308.C1
Gene No.	86951	Strand	
Start	8226	End	9365
Name	OJ000122_39.0308.C1.o1.tc	Method	TBLASTX:Cress
Start	8805	End	9281
GI	none	Score	107
Exons	8805..9041, 8807..9004, 9012..9281, 9068..9277		

Seq. No.	41867	Seq. ID	OJ000122_39.0308.C5
Gene No.	86952	Strand	+
Start	1	End	220
Name	OJ000122_39.0308.C5.o1.gp	Method	AAT/GAP
Start	1	End	220
GI	43649_2.R1084	Score	424
Exons	1..220		
GI Descrip.	'3688173/emb|CAA21201| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	41867	Seq. ID	OJ000122_39.0308.C5
Gene No.	86953	Strand	+
Start	1487	End	2098
Name	OJ000122_39.0308.C5.o2.gp	Method	AAT/GAP
Start	1487	End	2098
GI	LIB3477-010-P1-K1-F8	Score	678
Exons	1487..1728, 1958..2098		
GI Descrip.	'1669599/dbj|BAA13687| 2.0e-13 (D88746) AR791 [Arabidopsis thaliana]'		

Seq. No.	41867	Seq. ID	OJ000122_39.0308.C5
Gene No.	86954	Strand	+
Start	2667	End	3072
Name	OJ000122_39.0308.C5.o1.tc	Method	TBLASTX:Cress
Start	1051	End	2215
GI	none	Score	48
Exons	1051..1092, 1135..1545, 1604..1684, 1970..2215, 2047..2208		

Seq. No.	41867	Seq. ID	OJ000122_39.0308.C5
Gene No.	86954	Strand	+
Start	2667	End	3072
Name	OJ000122_39.0308.C5.o2.tm	Method	TBLASTX:Maize
Start	1183	End	1448
GI	none	Score	332
Exons	1183..1437, 1196..1447, 1197..1448		

Seq. No.	41867	Seq. ID	OJ000122_39.0308.C5
Gene No.	86954	Strand	+
Start	2667	End	3072
Name	OJ000122_39.0308.C5.o1.tw	Method	TBLASTX:Wheat
Start	1235	End	1695
GI	none	Score	205
Exons	1235..1546, 1236..1547, 1237..1548, 1541..1693, 1615..1692, 1636..1695		

Seq. No.	41867	Seq. ID	OJ000122_39.0308.C5
Gene No.	86954	Strand	+
Start	2667	End	3072
Name	OJ000122_39.0308.C5.o1.tm	Method	TBLASTX:Maize
Start	1556	End	2982
GI	none	Score	190
Exons	1556..1732, 1615..1731, 1952..2284, 1955..2272, 2041..2355, 2263..2391, 2267..2326, 2317..2562, 2352..2510, 2559..2663, 2564..2704, 2715..2783, 2725..2787, 2829..2861, 2840..2881, 2887..2910, 2962..2982		

Seq. No.	41867	Seq. ID	OJ000122_39.0308.C5
Gene No.	86954	Strand	+
Start	2667	End	3072
Name	OJ000122_39.0308.C5.o1.ts	Method	TBLASTX:Soybean
Start	1946	End	2215
GI	none	Score	258
Exons	1946..2215, 2041..2208		

Seq. No.	41867	Seq. ID	OJ000122_39.0308.C5
Gene No.	86954	Strand	+
Start	2667	End	3072
Name	OJ000122_39.0308.C5.o3.gp	Method	AAT/GAP
Start	2667	End	3072
GI	none	Score	792
Exons	2667..3072		

Seq. No.	41868	Seq. ID	OJ000122_39.0308.C6
Gene No.	86955	Strand	+
Start	1673	End	1902
Name	OJ000122_39.0308.C6.o1.gp	Method	AAT/GAP
Start	1673	End	1902
GI	LIB3431-009-P1-N1-D10	Score	445
Exons	1673..1902		
GI Descrip.	'310316/gb|L19598|RICRTUB1X 7.0e-11 Rice beta-tubulin (RTUB-1) mRNA, complete cds'		

Seq. No.	41868	Seq. ID	OJ000122_39.0308.C6
Gene No.	86956	Strand	+
Start	4281	End	4527
Name	OJ000122_39.0308.C6.o2.gp	Method	AAT/GAP
Start	4281	End	4527
GI	5421_1.R1084	Score	448
Exons	4281..4527		
GI Descrip.	'3688173/emb|CAA21201| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	41869	Seq. ID	OJ000122_39.0308.C7
Gene No.	86957	Strand	-
Start	1	End	208
Name	OJ000122_39.0308.C7.o1.gp	Method	AAT/GAP
Start	1	End	208
GI	none	Score	394
Exons	1..208		

Seq. No.	41869	Seq. ID	OJ000122_39.0308.C7
Gene No.	86958	Strand	
Start	1684	End	3048
Name	OJ000122_39.0308.C7.o1.tm	Method	TBLASTX:Maize
Start	1684	End	3048
GI	none	Score	60
Exons	1684..1755, 1686..1751, 1866..2009, 1867..1926, 1907..1999, 2989..3048		

Seq. No.	41870	Seq. ID	OJ000122_39.0308.C8
Gene No.	86959	Strand	-
Start	115	End	475
Name	OJ000122_39.0308.C8.o1.gp	Method	AAT/GAP
Start	115	End	475
GI	LIB3477-003-P1-K1-E9	Score	90
Exons	115..176, 450..475		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41871	Seq. ID	OJ000122_39.0308.C11
Gene No.	86960	Strand	+
Start	3323	End	3706
Name	OJ000122_39.0308.C11.o1.gp	Method	AAT/GAP
Start	3323	End	3706
GI	uC-osflcyp033a04b1	Score	653
Exons	3323..3706		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41872	Seq. ID	OJ000122_39.0308.C14
Gene No.	86961	Strand	+
Start	447	End	566
Name	OJ000122_39.0308.C14.o1.gp	Method	AAT/GAP
Start	447	End	566
GI	700823	Score	220
Exons	447..566		

Seq. No.	41873	Seq. ID	OJ000122_39.0308.C17
Gene No.	86962	Strand	+
Start	3381	End	3941
Name	OJ000122_39.0308.C17.o1.tc	Method	TBLASTX:Cress
Start	1904	End	2530
GI	none	Score	96
Exons	1904..1945, 2009..2092, 2186..2284, 2330..2530, 2331..2465		

Seq. No.	41873	Seq. ID	OJ000122_39.0308.C17
Gene No.	86962	Strand	+
Start	3381	End	3941

Name	OJ000122_39.0308.C17.o1.ts	Method	TBLASTX:Soybean
Start	1988	End	2530
GI	none	Score	79
Exons	1988..2092, 2186..2266, 2283..2420, 2297..2530		

Seq. No.	41873	Seq. ID	OJ000122_39.0308.C17
Gene No.	86962	Strand	+
Start	3381	End	3941
Name	OJ000122_39.0308.C17.o1.tm	Method	TBLASTX:Maize
Start	2006	End	2530
GI	none	Score	46
Exons	2006..2092, 2042..2095, 2186..2284, 2193..2288, 2303..2401, 2310..2423, 2397..2513, 2402..2530		

Seq. No.	41873	Seq. ID	OJ000122_39.0308.C17
Gene No.	86962	Strand	+
Start	3381	End	3941
Name	OJ000122_39.0308.C17.o1.tw	Method	TBLASTX:Wheat
Start	2006	End	2530
GI	none	Score	52
Exons	2006..2092, 2028..2090, 2186..2317, 2193..2288, 2303..2530, 2310..2471		

Seq. No.	41873	Seq. ID	OJ000122_39.0308.C17
Gene No.	86962	Strand	+
Start	3381	End	3941
Name	OJ000122_39.0308.C17.o1.gp	Method	AAT/GAP
Start	3381	End	3941
GI	342_1.R1084	Score	740
Exons	3381..3941		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41873	Seq. ID	OJ000122_39.0308.C17
Gene No.	86962	Strand	+
Start	3381	End	3941
Name	OJ000122_39.0308.C17.o2.tw	Method	TBLASTX:Wheat
Start	3683	End	3940
GI	none	Score	91
Exons	3683..3835, 3702..3821, 3818..3940, 3826..3936		

Seq. No.	41874	Seq. ID	OJ000122_39.0308.C22
Gene No.	86963	Strand	+
Start	1580	End	1857
Name	OJ000122_39.0308.C22.o1.tm	Method	TBLASTX:Maize
Start	1224	End	1550
GI	none	Score	188
Exons	1224..1373, 1225..1374, 1291..1374, 1491..1550, 1496..1549		

Seq. No.	41874	Seq. ID	OJ000122_39.0308.C22
Gene No.	86963	Strand	+
Start	1580	End	1857
Name	OJ000122_39.0308.C22.o1.gp	Method	AAT/GAP
Start	1580	End	1857
GI	5851098	Score	479
Exons	1580..1857		

Seq. No.	41875	Seq. ID	OJ000122_39.0308.C23
Gene No.	86964	Strand	-
Start	1650	End	2297
Name	OJ000122_39.0308.C23.o2.tw	Method	TBLASTX:Wheat
Start	449	End	616
GI	none	Score	177
Exons	449..598, 452..616		

Seq. No.	41875	Seq. ID	OJ000122_39.0308.C23
Gene No.	86964	Strand	-
Start	1650	End	2297
Name	OJ000122_39.0308.C23.o1.tw	Method	TBLASTX:Wheat
Start	703	End	1080
GI	none	Score	82
Exons	703..798, 704..799, 785..889, 917..1057	787..894, 788..895, 916..1080,	

Seq. No.	41875	Seq. ID	OJ000122_39.0308.C23
Gene No.	86964	Strand	-
Start	1650	End	2297
Name	OJ000122_39.0308.C23.o1.gp	Method	AAT/GAP
Start	1650	End	2281
GI	2798991	Score	876
Exons	1650..2096, 2215..2281		
GI Descrip.	3402815/emb|AJ007829|CVE7829 1.0e-20 Cloning Vector pGreen		

Seq. No.	41875	Seq. ID	OJ000122_39.0308.C23
Gene No.	86964	Strand	-
Start	1650	End	2297
Name	OJ000122_39.0308.C23.o1.tm	Method	TBLASTX:Maize
Start	1879	End	2297
GI	none	Score	55
Exons	1879..1956, 1882..1920, 1886..1921, 1902..2087, 1945..2115, 1953..2120, 1958..2119, 2217..2297, 2218..2295		

Seq. No.	41875	Seq. ID	OJ000122_39.0308.C23
Gene No.	86964	Strand	-
Start	1650	End	2297
Name	OJ000122_39.0308.C23.o1.tc	Method	TBLASTX:Cress
Start	1950	End	2294
GI	none	Score	111
Exons	1950..2102, 1958..2095, 2220..2270, 2253..2294		

Seq. No.	41875	Seq. ID	OJ000122_39.0308.C23
Gene No.	86964	Strand	-
Start	1650	End	2297
Name	OJ000122_39.0308.C23.o1.ts	Method	TBLASTX:Soybean
Start	1953	End	2297
GI	none	Score	114
Exons	1953..2102, 1958..2098, 2220..2261, 2230..2262, 2253..2297		

Seq. No.	41876	Seq. ID	OJ000122_39.0308.C24
Gene No.	86965	Strand	
Start	177	End	1553
Name	OJ000122_39.0308.C24.o1.tc	Method	TBLASTX:Cress
Start	177	End	634
GI	none	Score	40

Exons	177..224, 194..223, 218..325, 219..326, 226..327, 226..327, 407..526, 408..539, 414..632, 562..633, 593..634		
Seq. No.	41876	Seq. ID	OJ000122_39.0308.C24
Gene No.	86965	Strand	
Start	177	End	1553
Name	OJ000122_39.0308.C24.o1.tm	Method	TBLASTX:Maize
Start	177	End	1553
GI	none	Score	199
Exons	177..326, 188..328, 188..325, 226..327, 407..526, 408..539, 414..689, 415..690, 1139..1246, 1140..1250, 1140..1250, 1141..1263, 1445..1510, 1447..1542, 1449..1553		
Seq. No.	41876	Seq. ID	OJ000122_39.0308.C24
Gene No.	86965	Strand	
Start	177	End	1553
Name	OJ000122_39.0308.C24.o1.ts	Method	TBLASTX:Soybean
Start	228	End	526
GI	none	Score	98
Exons	228..320, 233..325, 234..320, 407..526, 408..446		
Seq. No.	41877	Seq. ID	OJ000122_39.0308.C26
Gene No.	86966	Strand	
Start	620	End	999
Name	OJ000122_39.0308.C26.o1.tm	Method	TBLASTX:Maize
Start	620	End	999
GI	none	Score	100
Exons	620..769, 624..755, 625..768, 840..980, 841..999, 843..998		
Seq. No.	41877	Seq. ID	OJ000122_39.0308.C26
Gene No.	86967	Strand	
Start	1069	End	2719
Name	OJ000122_39.0308.C26.o1.tc	Method	TBLASTX:Cress
Start	1069	End	1834
GI	none	Score	72
Exons	1069..1257, 1073..1189, 1604..1834		
Seq. No.	41877	Seq. ID	OJ000122_39.0308.C26
Gene No.	86967	Strand	
Start	1069	End	2719
Name	OJ000122_39.0308.C26.o2.tm	Method	TBLASTX:Maize
Start	1096	End	2719
GI	none	Score	98
Exons	1096..1212, 1097..1189, 1099..1197, 1107..1199, 1604..1822, 1605..1706, 1613..1816, 1770..1823, 2623..2679, 2627..2704, 2687..2719		
Seq. No.	41877	Seq. ID	OJ000122_39.0308.C26
Gene No.	86968	Strand	
Start	3409	End	3797
Name	OJ000122_39.0308.C26.o3.tm	Method	TBLASTX:Maize
Start	3409	End	3797
GI	none	Score	133
Exons	3409..3588, 3419..3595, 3439..3576, 3452..3589, 3629..3682, 3653..3682, 3678..3797, 3679..3789, 3711..3794		
Seq. No.	41878	Seq. ID	OJ000122_39.0308.C32

Gene No.	86969	Strand	
Start	203	End	568
Name	OJ000122_39.0308.C32.o1.ts	Method	TBLASTX:Soybean
Start	203	End	568
GI	none	Score	228
Exons	203..568, 361..558		

Seq. No.	41878	Seq. ID	OJ000122_39.0308.C32
Gene No.	86969	Strand	
Start	203	End	568
Name	OJ000122_39.0308.C32.o1.tm	Method	TBLASTX:Maize
Start	220	End	544
GI	none	Score	340
Exons	220..543, 221..544		

Seq. No.	41879	Seq. ID	OJ000122_39.0308.C36
Gene No.	86970	Strand	
Start	2720	End	3791
Name	OJ000122_39.0308.C36.o1.tw	Method	TBLASTX:Wheat
Start	2720	End	3685
GI	none	Score	65
Exons	2720..2815, 2754..2816, 2843..2962, 2916..2960, 2930..2962, 3059..3136, 3066..3125, 3092..3136, 3158..3427, 3186..3413, 3438..3677, 3440..3487, 3476..3685		

Seq. No.	41879	Seq. ID	OJ000122_39.0308.C36
Gene No.	86970	Strand	
Start	2720	End	3791
Name	OJ000122_39.0308.C36.o1.tc	Method	TBLASTX:Cress
Start	2753	End	3433
GI	none	Score	48
Exons	2753..2836, 2837..2962, 2916..2960, 3059..3139, 3066..3116, 3149..3433, 3186..3410		

Seq. No.	41879	Seq. ID	OJ000122_39.0308.C36
Gene No.	86970	Strand	
Start	2720	End	3791
Name	OJ000122_39.0308.C36.o1.tm	Method	TBLASTX:Maize
Start	2753	End	3764
GI	none	Score	46
Exons	2753..2821, 2754..2816, 2843..2962, 2916..2960, 3059..3139, 3066..3125, 3158..3256, 3177..3278, 3252..3458, 3257..3457, 3476..3763, 3480..3764		

Seq. No.	41879	Seq. ID	OJ000122_39.0308.C36
Gene No.	86970	Strand	
Start	2720	End	3791
Name	OJ000122_39.0308.C36.o1.ts	Method	TBLASTX:Soybean
Start	2843	End	3791
GI	none	Score	37
Exons	2843..2962, 3059..3139, 3092..3142, 3149..3433, 3195..3275, 3354..3428, 3474..3743, 3476..3733, 3726..3791		

Seq. No.	41879	Seq. ID	OJ000122_39.0308.C36
Gene No.	86970	Strand	
Start	2720	End	3791
Name	OJ000122_39.0308.C36.o2.tc	Method	TBLASTX:Cress

Start	3488	End	3734
GI	none	Score	199
Exons	3488..3733, 3489..3734		

Seq. No.	41880	Seq. ID	OJ000122_39.0308.C39
Gene No.	86971	Strand	+
Start	893	End	2525
Name	OJ000122_39.0308.C39.o1.gp	Method	AAT/GAP
Start	893	End	2525
GI	342_1.R1084	Score	2575
Exons	893..2525		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	41880	Seq. ID	OJ000122_39.0308.C39
Gene No.	86971	Strand	+
Start	893	End	2525
Name	OJ000122_39.0308.C39.o2.tw	Method	TBLASTX:Wheat
Start	1195	End	1596
GI	none	Score	102
Exons	1195..1347, 1214..1333, 1330..1581, 1338..1580, 1339..1596, 1341..1583, 1349..1591		

Seq. No.	41880	Seq. ID	OJ000122_39.0308.C39
Gene No.	86971	Strand	+
Start	893	End	2525
Name	OJ000122_39.0308.C39.o1.ts	Method	TBLASTX:Soybean
Start	1513	End	1941
GI	none	Score	86
Exons	1513..1587, 1645..1941, 1702..1923		

Seq. No.	41880	Seq. ID	OJ000122_39.0308.C39
Gene No.	86971	Strand	+
Start	893	End	2525
Name	OJ000122_39.0308.C39.o1.tc	Method	TBLASTX:Cress
Start	1680	End	2022
GI	none	Score	284
Exons	1680..1826, 1681..2022, 1875..2003		

Seq. No.	41880	Seq. ID	OJ000122_39.0308.C39
Gene No.	86971	Strand	+
Start	893	End	2525
Name	OJ000122_39.0308.C39.o1.tw	Method	TBLASTX:Wheat
Start	1809	End	2279
GI	none	Score	68
Exons	1809..1862, 1810..1866, 1863..1964, 1864..1968, 1864..1986, 1972..2070, 1977..2069, 1980..2072, 2050..2274, 2073..2279, 2175..2279		

Seq. No.	41880	Seq. ID	OJ000122_39.0308.C39
Gene No.	86971	Strand	+
Start	893	End	2525
Name	OJ000122_39.0308.C39.o1.tm	Method	TBLASTX:Maize
Start	1855	End	2313
GI	none	Score	227
Exons	1855..2109, 1867..2109, 2119..2313		

Seq. No.	41880	Seq. ID	OJ000122_39.0308.C39
Gene No.	86971	Strand	+
Start	893	End	2525
Name	OJ000122_39.0308.C39.o2.ts	Method	TBLASTX:Soybean
Start	2143	End	2385
GI	none	Score	200
Exons	2143..2385		

Seq. No.	41881	Seq. ID	OJ000122_39.0308.C40
Gene No.	86972	Strand	
Start	1	End	315
Name	OJ000122_39.0308.C40.o2.tw	Method	TBLASTX:Wheat
Start	1	End	315
GI	none	Score	251
Exons	1..201, 3..161, 14..202, 229..309, 231..314, 234..314, 235..315		

Seq. No.	41881	Seq. ID	OJ000122_39.0308.C40
Gene No.	86973	Strand	
Start	316	End	1658
Name	OJ000122_39.0308.C40.o1.tw	Method	TBLASTX:Wheat
Start	316	End	1658
GI	none	Score	72
Exons	316..501, 321..422, 321..800, 322..747, 456..758, 647..766, 787..1206, 794..1222, 795..1238, 1213..1278, 1233..1277, 1255..1278, 1280..1375, 1284..1343, 1322..1462, 1350..1463, 1391..1471, 1488..1541, 1489..1557, 1546..1638, 1572..1658		

Seq. No.	41881	Seq. ID	OJ000122_39.0308.C40
Gene No.	86973	Strand	
Start	316	End	1658
Name	OJ000122_39.0308.C40.o1.tm	Method	TBLASTX:Maize
Start	364	End	678
GI	none	Score	293
Exons	364..678, 375..677		

Seq. No.	41881	Seq. ID	OJ000122_39.0308.C40
Gene No.	86973	Strand	
Start	316	End	1658
Name	OJ000122_39.0308.C40.o1.tc	Method	TBLASTX:Cress
Start	609	End	1055
GI	none	Score	164
Exons	609..800, 613..747, 647..766, 794..1045, 794..1051, 795..1055, 903..1055		

Seq. No.	41882	Seq. ID	OJ000122_39.0308.C41
Gene No.	86974	Strand	
Start	1155	End	1556
Name	OJ000122_39.0308.C41.o1.tw	Method	TBLASTX:Wheat
Start	1155	End	1556
GI	none	Score	215
Exons	1155..1391, 1155..1349, 1256..1396, 1386..1556, 1481..1555		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86975	Strand	
Start	2223	End	3203
Name	OJ000122_39.0308.C43.o2.tw	Method	TBLASTX:Wheat
Start	2223	End	2816

GI	none	Score	229
Exons	2223..2513, 2225..2515, 2571..2687, 2574..2672, 2691..2816, 2708..2815		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86975	Strand	
Start	2223	End	3203
Name	OJ000122_39.0308.C43.o1.ts	Method	TBLASTX:Soybean
Start	2241	End	2513
GI	none	Score	292
Exons	2241..2513, 2258..2506		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86975	Strand	
Start	2223	End	3203
Name	OJ000122_39.0308.C43.o2.ts	Method	TBLASTX:Soybean
Start	2556	End	2831
GI	none	Score	221
Exons	2556..2831, 2591..2830		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86975	Strand	
Start	2223	End	3203
Name	OJ000122_39.0308.C43.o2.tc	Method	TBLASTX:Cress
Start	2580	End	2912
GI	none	Score	288
Exons	2580..2912, 2666..2716, 2750..2857		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86975	Strand	
Start	2223	End	3203
Name	OJ000122_39.0308.C43.o2.tm	Method	TBLASTX:Maize
Start	2718	End	3203
GI	none	Score	102
Exons	2718..2822, 2726..2821, 2825..2917, 2829..2918, 2986..3021, 3015..3062, 3063..3110, 3110..3199, 3114..3203		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86975	Strand	
Start	2223	End	3203
Name	OJ000122_39.0308.C43.o3.tw	Method	TBLASTX:Wheat
Start	2817	End	3152
GI	none	Score	57
Exons	2817..2858, 2862..2960, 2864..2959, 3006..3104, 3017..3088, 3114..3152		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86976	Strand	
Start	3708	End	4925
Name	OJ000122_39.0308.C43.o1.tm	Method	TBLASTX:Maize
Start	3708	End	4091
GI	none	Score	59
Exons	3708..3776, 3776..4090, 3777..4091		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86976	Strand	
Start	3708	End	4925

Name	OJ000122_39.0308.C43.o1.tw	Method	TBLASTX:Wheat
Start	3732	End	4865
GI	none	Score	551
Exons	3732..4448, 3785..4360, 4457..4639, 4467..4655, 4632..4733, 4643..4762, 4764..4865, 4766..4858		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86976	Strand	
Start	3708	End	4925
Name	OJ000122_39.0308.C43.o1.tc	Method	TBLASTX:Cress
Start	4023	End	4448
GI	none	Score	317
Exons	4023..4448, 4031..4360		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86976	Strand	
Start	3708	End	4925
Name	OJ000122_39.0308.C43.o3.tm	Method	TBLASTX:Maize
Start	4341	End	4631
GI	none	Score	146
Exons	4341..4511, 4389..4505, 4523..4630, 4524..4631		

Seq. No.	41883	Seq. ID	OJ000122_39.0308.C43
Gene No.	86976	Strand	
Start	3708	End	4925
Name	OJ000122_39.0308.C43.o3.ts	Method	TBLASTX:Soybean
Start	4713	End	4925
GI	none	Score	187
Exons	4713..4925, 4713..4871		

Seq. No.	41884	Seq. ID	OJ000122_32.0315.C1
Gene No.	86977	Strand	-
Start	1	End	2384
Name	OJ000122_32.0315.C1.o1.np	Method	AAT/NAP
Start	1	End	2384
GI	7228456	Score	3143
Exons	1..2384		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	41884	Seq. ID	OJ000122_32.0315.C1
Gene No.	86977	Strand	-
Start	1	End	2384
Name	OJ000122_32.0315.C1.o1.gs	Method	GENSCAN
Start	49	End	2216
GI	none	Score	.74
Exons	49..614, 717..1818, 2014..2216		

Seq. No.	41885	Seq. ID	OJ000122_32.0315.C2
Gene No.	86978	Strand	+
Start	1	End	2039
Name	OJ000122_32.0315.C2.o2.np	Method	AAT/NAP
Start	1	End	2039
GI	5042454	Score	215
Exons	1..89, 267..501, 719..837, 1407..1583, 1979..2039		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	41885	Seq. ID	OJ000122_32.0315.C2

Gene No.	86979	Strand	-
Start	1	End	464
Name	OJ000122_32.0315.C2.o1.np	Method	AAT/NAP
Start	1	End	464
GI	7228456	Score	786
Exons	1..464		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	41886	Seq. ID	OJ000122_32.0315.C3
Gene No.	86980	Strand	-
Start	5262	End	5801
Name	OJ000122_32.0315.C3.o2.gs	Method	GENSCAN
Start	5262	End	5801
GI	none	Score	.94
Exons	5262..5410, 5662..5801		

Seq. No.	41887	Seq. ID	OJ000122_32.0315.C5
Gene No.	86981	Strand	+
Start	12140	End	14727
Name	OJ000122_32.0315.C5.o2.gs	Method	GENSCAN
Start	12140	End	14727
GI	none	Score	.93
Exons	12140..12290, 12354..12617, 12788..12937, 13020..13256, 13375..13556, 14502..14727		

Seq. No.	41887	Seq. ID	OJ000122_32.0315.C5
Gene No.	86982	Strand	-
Start	1056	End	10643
Name	OJ000122_32.0315.C5.o1.gs	Method	GENSCAN
Start	1056	End	10643
GI	none	Score	.41
Exons	1056..1147, 1349..1501, 2181..2371, 3072..3271, 3301..3926, 4131..4211, 4467..4620, 4780..5286, 7640..8091, 9398..9506, 9963..10120, 10132..10308, 10583..10643		

Seq. No.	41887	Seq. ID	OJ000122_32.0315.C5
Gene No.	86982	Strand	-
Start	1056	End	10643
Name	OJ000122_32.0315.C5.o3.tw	Method	TBLASTX:Wheat
Start	3589	End	3984
GI	none	Score	66
Exons	3589..3768, 3608..3697, 3811..3984		

Seq. No.	41887	Seq. ID	OJ000122_32.0315.C5
Gene No.	86982	Strand	-
Start	1056	End	10643
Name	OJ000122_32.0315.C5.o1.tc	Method	TBLASTX:Cress
Start	4753	End	5040
GI	none	Score	186
Exons	4753..5040		

Seq. No.	41887	Seq. ID	OJ000122_32.0315.C5
Gene No.	86982	Strand	-
Start	1056	End	10643
Name	OJ000122_32.0315.C5.o1.tw	Method	TBLASTX:Wheat
Start	4759	End	5187
GI	none	Score	108

Exons	4759..4866, 4840..5055, 5071..5187		
Seq. No.	41887	Seq. ID	OJ000122_32.0315.C5
Gene No.	86982	Strand	-
Start	1056	End	10643
Name	OJ000122_32.0315.C5.o1.ts	Method	TBLASTX:Soybean
Start	4777	End	5187
GI	none	Score	71
Exons	4777..5055, 5083..5187		
Seq. No.	41887	Seq. ID	OJ000122_32.0315.C5
Gene No.	86982	Strand	-
Start	1056	End	10643
Name	OJ000122_32.0315.C5.o1.gp	Method	AAT/GAP
Start	5838	End	6161
GI	4879016	Score	516
Exons	5838..6161		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	41887	Seq. ID	OJ000122_32.0315.C5
Gene No.	86983	Strand	+
Start	14472	End	14789
Name	OJ000122_32.0315.C5.o2.tw	Method	TBLASTX:Wheat
Start	14472	End	14789
GI	none	Score	210
Exons	14472..14537, 14537..14770, 14538..14789, 14550..14771, 14551..14772		
Seq. No.	41888	Seq. ID	OJ000122_32.0315.C6
Gene No.	86984	Strand	+
Start	2672	End	3217
Name	OJ000122_32.0315.C6.o1.np	Method	AAT/NAP
Start	2672	End	3217
GI	6539585	Score	180
Exons	2672..2840, 3139..3217		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	41889	Seq. ID	OJ000122_32.0315.C7
Gene No.	86985	Strand	+
Start	726	End	4365
Name	OJ000122_32.0315.C7.o1.np	Method	AAT/NAP
Start	726	End	3652
GI	5257262	Score	47
Exons	726..749, 2134..2271, 3630..3652		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		
Seq. No.	41889	Seq. ID	OJ000122_32.0315.C7
Gene No.	86985	Strand	+
Start	726	End	4365
Name	OJ000122_32.0315.C7.o1.gs	Method	GENSCAN
Start	922	End	4365
GI	none	Score	.6
Exons	922..1345, 1516..1671, 1755..1991, 2099..2280, 4015..4107, 4152..4365		

Seq. No.	41890	Seq. ID	OJ000122_32.0315.C8
Gene No.	86986	Strand	+
Start	3004	End	6414
Name	OJ000122_32.0315.C8.o1.np	Method	AAT/NAP
Start	3004	End	6414
GI	5923669	Score	588
Exons	3004..3027, 4505..4782, 4900..6414		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41890	Seq. ID	OJ000122_32.0315.C8
Gene No.	86986	Strand	+
Start	3004	End	6414
Name	OJ000122_32.0315.C8.o1.gs	Method	GENSCAN
Start	4250	End	6397
GI	none	Score	.53
Exons	4250..5450, 6030..6167, 6234..6397		

Seq. No.	41890	Seq. ID	OJ000122_32.0315.C8
Gene No.	86986	Strand	+
Start	3004	End	6414
Name	OJ000122_32.0315.C8.o1.tm	Method	TBLASTX:Maize
Start	4820	End	6373
GI	none	Score	70
Exons	4820..4903, 4968..5042, 5510..5599, 5573..5701, 5710..5877, 5759..6064, 6002..6373, 6010..6168		

Seq. No.	41891	Seq. ID	OJ000122_32.0315.C9
Gene No.	86987	Strand	+
Start	1	End	395
Name	OJ000122_32.0315.C9.o1.np	Method	AAT/NAP
Start	1	End	378
GI	4263522	Score	383
Exons	1..378		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41891	Seq. ID	OJ000122_32.0315.C9
Gene No.	86987	Strand	+
Start	1	End	395
Name	OJ000122_32.0315.C9.o1.tc	Method	TBLASTX:Cress
Start	24	End	381
GI	none	Score	388
Exons	24..380, 25..381		

Seq. No.	41891	Seq. ID	OJ000122_32.0315.C9
Gene No.	86987	Strand	+
Start	1	End	395
Name	OJ000122_32.0315.C9.o1.gs	Method	GENSCAN
Start	53	End	381
GI	none	Score	.47
Exons	53..381		

Seq. No.	41891	Seq. ID	OJ000122_32.0315.C9
Gene No.	86987	Strand	+
Start	1	End	395
Name	OJ000122_32.0315.C9.o1.ts	Method	TBLASTX:Soybean
Start	87	End	391
GI	none	Score	146

Exons	87..380, 88..381, 97..378, 225..380, 323..391		
Seq. No.	41891	Seq. ID	OJ000122_32.0315.C9
Gene No.	86987	Strand	+
Start	1	End	395
Name	OJ000122_32.0315.C9.o1.tm	Method	TBLASTX:Maize
Start	91	End	395
GI	none	Score	338
Exons	91..381, 100..198, 219..380, 228..395		
Seq. No.	41892	Seq. ID	OJ000122_32.0315.C10
Gene No.	86988	Strand	+
Start	2166	End	2387
Name	OJ000122_32.0315.C10.o1.gs	Method	GENSCAN
Start	2166	End	2387
GI	none	Score	.99
Exons	2166..2387		
Seq. No.	41892	Seq. ID	OJ000122_32.0315.C10
Gene No.	86989	Strand	-
Start	7802	End	8886
Name	OJ000122_32.0315.C10.o1.gp	Method	AAT/GAP
Start	7650	End	8886
GI	21278_1.R1084	Score	1469
Exons	7650..8075, 8173..8234, 8359..8496, 8618..8755, 8862..8886		
GI Descrip.	'1421730 2.0e-90 (U43082) RF2 [Zea mays]'		
Seq. No.	41892	Seq. ID	OJ000122_32.0315.C10
Gene No.	86989	Strand	-
Start	7802	End	8886
Name	OJ000122_32.0315.C10.o1.tm	Method	TBLASTX:Maize
Start	7793	End	8875
GI	none	Score	366
Exons	7793..8077, 7794..8078, 8172..8246, 8172..8237, 8357..8494, 8357..8416, 8359..8499, 8615..8758, 8616..8756, 8846..8875		
Seq. No.	41892	Seq. ID	OJ000122_32.0315.C10
Gene No.	86989	Strand	-
Start	7802	End	8886
Name	OJ000122_32.0315.C10.o1.ts	Method	TBLASTX:Soybean
Start	7802	End	8681
GI	none	Score	257
Exons	7802..8077, 7806..8078, 8172..8237, 8173..8202, 8357..8494, 8359..8499, 8607..8681, 8615..8680		
Seq. No.	41892	Seq. ID	OJ000122_32.0315.C10
Gene No.	86989	Strand	-
Start	7802	End	8886
Name	OJ000122_32.0315.C10.o2.gs	Method	GENSCAN
Start	7802	End	8882
GI	none	Score	.85
Exons	7802..8075, 8396..8496, 8618..8755, 8862..8882		
Seq. No.	41892	Seq. ID	OJ000122_32.0315.C10
Gene No.	86989	Strand	-
Start	7802	End	8886
Name	OJ000122_32.0315.C10.o1.np	Method	AAT/NAP

Start	7805	End	8886
GI	7431451	Score	528
Exons	7805..8075, 8173..8234, 8359..8496, 8618..8755, 8862..8886		
GI Descrip.	rf2 nuclear restorer protein - maize gi|1421730|gb|AAC49371.1| (U43082) RF2 [Zea mays]		

Seq. No.	41892	Seq. ID	OJ000122_32.0315.C10
Gene No.	86989	Strand	-
Start	7802	End	8886
Name	OJ000122_32.0315.C10.o1.tw	Method	TBLASTX:Wheat
Start	7898	End	8406
GI	none	Score	110
Exons	7898..8086, 7899..8066, 8175..8237, 8359..8406		

Seq. No.	41892	Seq. ID	OJ000122_32.0315.C10
Gene No.	86989	Strand	-
Start	7802	End	8886
Name	OJ000122_32.0315.C10.o1.tc	Method	TBLASTX:Cress
Start	7940	End	8758
GI	none	Score	93
Exons	7940..8071, 7944..8078, 8175..8237, 8359..8451, 8449..8499, 8615..8758, 8643..8756		

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86990	Strand	+
Start	6432	End	8091
Name	OJ000122_32.0315.C11.o2.gs	Method	GENSCAN
Start	6432	End	8091
GI	none	Score	.78
Exons	6432..6473, 7266..7560, 7580..7691, 7721..7896, 7988..8091		

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86991	Strand	-
Start	2885	End	5949
Name	OJ000122_32.0315.C11.o1.gs	Method	GENSCAN
Start	2885	End	5887
GI	none	Score	.65
Exons	2885..3036, 3041..3485, 3729..3898, 4032..4099, 4582..4673, 5782..5887		

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86991	Strand	-
Start	2885	End	5949
Name	OJ000122_32.0315.C11.o1.gp	Method	AAT/GAP
Start	5772	End	5949
GI	33672_1.R1084	Score	316
Exons	5772..5949		
GI Descrip.	'4678328/emb|CAB41139.1| 8.0e-35 (AL049658) aldehyde dehydrogenase (NAD+)-like protein [Arabidopsis thaliana]'		

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86992	Strand	-
Start	8241	End	13927
Name	OJ000122_32.0315.C11.o2.gp	Method	AAT/GAP
Start	8241	End	8646
GI	LIB3432-057-P1-K1-A7	Score	711
Exons	8241..8646		

GI Descrip. '601791 1.0e-14 (U16178) protein kinase [Arabidopsis thaliana]'

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86992	Strand	-
Start	8241	End	13927
Name	OJ000122_32.0315.C11.o1.tm	Method	TBLASTX:Maize
Start	8446	End	12291
GI	none	Score	149
Exons	8446..8619, 8454..8615, 9135..9245, 9136..9252, 9137..9253, 9137..9253, 9138..9257, 9816..9911, 9819..9911, 9986..10051, 9987..10058, 10464..10628, 10478..10630, 10478..10630, 10689..10814, 10723..10824, 10723..10830, 10929..11057, 10930..11049, 10936..11079, 11380..11430, 11382..11414, 11383..11430, 11505..11666, 11510..11665, 11516..11677, 11753..11779, 11754..11783, 12199..12291, 12201..12290		

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86992	Strand	-
Start	8241	End	13927
Name	OJ000122_32.0315.C11.o1.np	Method	AAT/NAP
Start	8472	End	12484
GI	601791	Score	1198
Exons	8472..8606, 9145..9250, 9814..9911, 9986..10050, 10480..10627, 10723..10814, 10935..11049, 11383..11431, 11511..11664, 11756..11782, 12200..12291, 12380..12484		
GI Descrip.	(U16178) protein kinase [Arabidopsis thaliana]		

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86992	Strand	-
Start	8241	End	13927
Name	OJ000122_32.0315.C11.o1.tc	Method	TBLASTX:Cress
Start	8484	End	12272
GI	none	Score	95
Exons	8484..8615, 9136..9243, 9149..9238, 9816..9911, 9838..9912, 9986..10051, 9987..10073, 10478..10633, 10479..10604, 10481..10606, 10504..10620, 10714..10830, 10715..10813, 10744..10833, 10930..11046, 10934..11056, 10936..11079, 11380..11430, 11380..11430, 11525..11665, 11534..11677, 11754..11780, 11755..11778, 12201..12272		

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86992	Strand	-
Start	8241	End	13927
Name	OJ000122_32.0315.C11.o2.ts	Method	TBLASTX:Soybean
Start	8484	End	10058
GI	none	Score	75
Exons	8484..8615, 9136..9225, 9137..9208, 9819..9911, 9825..9908, 9826..9912, 9986..10051, 9990..10058		

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86992	Strand	-
Start	8241	End	13927
Name	OJ000122_32.0315.C11.o3.gs	Method	GENSCAN
Start	10281	End	13927
GI	none	Score	.45
Exons	10281..10306, 10480..10627, 10723..10814, 10935..11049, 11175..11204, 11383..11431, 11511..11664, 12200..12290,		

12392..12540, 12877..13203, 13205..13390, 13804..13927

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86992	Strand	-
Start	8241	End	13927
Name	OJ000122_32.0315.C11.o1.ts	Method	TBLASTX:Soybean
Start	10484	End	11062
GI	none	Score	150
Exons	10484..10621, 10485..10622, 10497..10628, 10498..10629, 10714..10830, 10715..10813, 10741..10833, 10934..11062, 10936..11061		

Seq. No.	41893	Seq. ID	OJ000122_32.0315.C11
Gene No.	86992	Strand	-
Start	8241	End	13927
Name	OJ000122_32.0315.C11.o3.ts	Method	TBLASTX:Soybean
Start	11505	End	12284
GI	none	Score	98
Exons	11505..11666, 11522..11665, 11754..11780, 11757..11786, 12210..12284, 12211..12273		

Seq. No.	41894	Seq. ID	OJ000122_32.0315.C12
Gene No.	86993	Strand	-
Start	204	End	1024
Name	OJ000122_32.0315.C12.o1.gs	Method	GENSCAN
Start	204	End	1024
GI	none	Score	.41
Exons	204..269, 908..1024		

Seq. No.	41895	Seq. ID	OJ000122_32.0315.C13
Gene No.	86994	Strand	
Start	207	End	556
Name	OJ000122_32.0315.C13.o1.tw	Method	TBLASTX:Wheat
Start	207	End	556
GI	none	Score	86
Exons	207..308, 214..318, 307..396, 331..402, 342..404, 392..556, 418..510		

Seq. No.	41896	Seq. ID	OJ000122_32.0315.C14
Gene No.	86995	Strand	-
Start	869	End	1264
Name	OJ000122_32.0315.C14.o1.gs	Method	GENSCAN
Start	869	End	1264
GI	none	Score	.77
Exons	869..1015, 1112..1165, 1241..1264		

Seq. No.	41896	Seq. ID	OJ000122_32.0315.C14
Gene No.	86996	Strand	-
Start	1231	End	1297
Name	OJ000122_32.0315.C14.o1.gp	Method	AAT/GAP
Start	1231	End	1297
GI	uC-osflM202050g07b1	Score	106
Exons	1231..1297		
GI Descrip.	'3413700 2.0e-32 (AC004747) putative YME1 protein [Arabidopsis thaliana]'		

Seq. No.	41897	Seq. ID	OJ000122_32.0315.C15

Gene No.	86997	Strand	-
Start	70	End	1664
Name	OJ000122_32.0315.C15.o1.gs	Method	GENSCAN
Start	70	End	1664
GI	none	Score	.97
Exons	70..167, 460..478, 585..1664		

Seq. No.	41897	Seq. ID	OJ000122_32.0315.C15
Gene No.	86997	Strand	-
Start	70	End	1664
Name	OJ000122_32.0315.C15.o1.gp	Method	AAT/GAP
Start	593	End	1226
GI	4880955	Score	1229
Exons	593..1226		

Seq. No.	41898	Seq. ID	OJ000122_32.0315.C16
Gene No.	86998	Strand	+
Start	555	End	2319
Name	OJ000122_32.0315.C16.o1.gs	Method	GENSCAN
Start	555	End	2319
GI	none	Score	.86
Exons	555..948, 1393..1435, 2142..2319		

Seq. No.	41898	Seq. ID	OJ000122_32.0315.C16
Gene No.	86999	Strand	-
Start	4777	End	8128
Name	OJ000122_32.0315.C16.o2.gs	Method	GENSCAN
Start	4777	End	8128
GI	none	Score	.54
Exons	4777..4910, 5961..6033, 6733..6830, 7181..7208, 7467..7560, 7986..8128		

Seq. No.	41898	Seq. ID	OJ000122_32.0315.C16
Gene No.	86999	Strand	-
Start	4777	End	8128
Name	OJ000122_32.0315.C16.o1.gp	Method	AAT/GAP
Start	5961	End	6391
GI	uC-osflcyp143h03b1	Score	485
Exons	5961..6126, 6189..6391		
GI Descrip.	'3386598 3.0e-38 (AC004665) putative cytochrome p450 [Arabidopsis thaliana]'		

Seq. No.	41898	Seq. ID	OJ000122_32.0315.C16
Gene No.	87000	Strand	-
Start	9171	End	10408
Name	OJ000122_32.0315.C16.o3.gs	Method	GENSCAN
Start	9171	End	10408
GI	none	Score	.52
Exons	9171..9230, 9289..9355, 9580..9673, 10231..10408		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o1.gs	Method	GENSCAN
Start	110	End	5264
GI	none	Score	.53
Exons	110..214, 244..1353, 1371..1967, 1988..2647, 2711..4663,		

4697..5264

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o1.np	Method	AAT/NAP
Start	289	End	5286
GI	7228457	Score	7627
Exons	289..655, 717..2647, 2711..3545, 3668..4819, 4886..5286		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o5.tw	Method	TBLASTX:Wheat
Start	943	End	4251
GI	none	Score	58
Exons	943..990, 997..1095, 1002..1094, 1062..1301, 1078..1335, 4186..4251		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o3.tm	Method	TBLASTX:Maize
Start	948	End	1233
GI	none	Score	197
Exons	948..1232, 985..1233		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o3.tw	Method	TBLASTX:Wheat
Start	2068	End	2554
GI	none	Score	411
Exons	2068..2241, 2069..2554, 2263..2523		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o1.tw	Method	TBLASTX:Wheat
Start	2718	End	3181
GI	none	Score	186
Exons	2718..3161, 2719..3174, 2720..3181, 2720..3175		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o3.ts	Method	TBLASTX:Soybean
Start	2759	End	3124
GI	none	Score	119
Exons	2759..2983, 2990..3124		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286

Name	OJ000122_32.0315.C17.o1.tm	Method	TBLASTX:Maize
Start	2849	End	3205
GI	none	Score	392
Exons	2849..3205, 2884..3195, 2900..3205		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o2.tm	Method	TBLASTX:Maize
Start	3232	End	3616
GI	none	Score	353
Exons	3232..3597, 3233..3616		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o2.tw	Method	TBLASTX:Wheat
Start	3289	End	3709
GI	none	Score	492
Exons	3289..3705, 3290..3709		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o1.ts	Method	TBLASTX:Soybean
Start	3368	End	3745
GI	none	Score	285
Exons	3368..3745, 3385..3528		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o4.tw	Method	TBLASTX:Wheat
Start	4340	End	4798
GI	none	Score	232
Exons	4340..4588, 4364..4615, 4429..4614, 4649..4798, 4660..4797		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o2.ts	Method	TBLASTX:Soybean
Start	4487	End	5053
GI	5666795	Score	68
Exons	4487..4585, 4661..4798, 4853..5053		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	41899	Seq. ID	OJ000122_32.0315.C17
Gene No.	87001	Strand	+
Start	110	End	5286
Name	OJ000122_32.0315.C17.o6.tw	Method	TBLASTX:Wheat
Start	4801	End	5113
GI	none	Score	191
Exons	4801..4977, 4853..5113		

Seq. No.	41900	Seq. ID	OJ000122_32.0315.C18
Gene No.	87002	Strand	+
Start	1	End	897

Name	OJ000122_32.0315.C18.o1.np	Method	AAT/NAP
Start	1	End	894
GI	7228457	Score	1501
Exons	1..894		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41900	Seq. ID	OJ000122_32.0315.C18
Gene No.	87002	Strand	+
Start	1	End	897
Name	OJ000122_32.0315.C18.o1.gs	Method	GENSCAN
Start	81	End	897
GI	none	Score	.99
Exons	81..897		

Seq. No.	41900	Seq. ID	OJ000122_32.0315.C18
Gene No.	87003	Strand	+
Start	1050	End	1380
Name	OJ000122_32.0315.C18.o1.tm	Method	TBLASTX:Maize
Start	4	End	300
GI	none	Score	138
Exons	4..189, 187..300		

Seq. No.	41900	Seq. ID	OJ000122_32.0315.C18
Gene No.	87003	Strand	+
Start	1050	End	1380
Name	OJ000122_32.0315.C18.o1.tw	Method	TBLASTX:Wheat
Start	6	End	387
GI	none	Score	337
Exons	6..80, 7..387, 28..252		

Seq. No.	41900	Seq. ID	OJ000122_32.0315.C18
Gene No.	87003	Strand	+
Start	1050	End	1380
Name	OJ000122_32.0315.C18.o2.tm	Method	TBLASTX:Maize
Start	754	End	897
GI	none	Score	183
Exons	754..897, 759..893		

Seq. No.	41900	Seq. ID	OJ000122_32.0315.C18
Gene No.	87003	Strand	+
Start	1050	End	1380
Name	OJ000122_32.0315.C18.o1.gp	Method	AAT/GAP
Start	1050	End	1380
GI	2428323	Score	583
Exons	1050..1380		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	41901	Seq. ID	OJ000122_32.0315.C19
Gene No.	87004	Strand	-
Start	391	End	702
Name	OJ000122_32.0315.C19.o1.gs	Method	GENSCAN
Start	391	End	702
GI	none	Score	.87
Exons	391..702		

Seq. No.	41902	Seq. ID	OJ000122_32.0315.C20
Gene No.	87005	Strand	-
Start	1	End	732
Name	OJ000122_32.0315.C20.o1.gp	Method	AAT/GAP
Start	1	End	430
GI	uC-osf1M202050g07b1	Score	563
Exons	1..201, 327..430		
GI Descrip.	'3413700 2.0e-32 (AC004747) putative YME1 protein [Arabidopsis thaliana]'		

Seq. No.	41902	Seq. ID	OJ000122_32.0315.C20
Gene No.	87005	Strand	-
Start	1	End	732
Name	OJ000122_32.0315.C20.o1.np	Method	AAT/NAP
Start	1	End	732
GI	7488430	Score	249
Exons	1..201, 327..472, 699..732		
GI Descrip.	YTA11 protein homolog T19L18.5 - Arabidopsis thaliana gi|3413700|gb|AAC31223.1| (AC004747) putative ATP-dependent zinc protease [Arabidopsis thaliana]		

Seq. No.	41902	Seq. ID	OJ000122_32.0315.C20
Gene No.	87005	Strand	-
Start	1	End	732
Name	OJ000122_32.0315.C20.o1.ts	Method	TBLASTX:Soybean
Start	1	End	470
GI	none	Score	122
Exons	1..195, 2..202, 5..202, 7..204, 327..470		

Seq. No.	41902	Seq. ID	OJ000122_32.0315.C20
Gene No.	87005	Strand	-
Start	1	End	732
Name	OJ000122_32.0315.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	470
GI	none	Score	202
Exons	1..195, 2..202, 2..202, 327..470, 327..377, 357..464		

Seq. No.	41903	Seq. ID	OJ000122_32.0315.C22
Gene No.	87006	Strand	-
Start	1	End	4776
Name	OJ000122_32.0315.C22.o1.np	Method	AAT/NAP
Start	1	End	4018
GI	4263522	Score	538
Exons	1..96, 777..1826, 1965..2294, 3995..4018		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41903	Seq. ID	OJ000122_32.0315.C22
Gene No.	87006	Strand	-
Start	1	End	4776
Name	OJ000122_32.0315.C22.o1.gs	Method	GENSCAN
Start	771	End	4734
GI	none	Score	.86
Exons	771..2488, 4617..4734		

Seq. No.	41903	Seq. ID	OJ000122_32.0315.C22
Gene No.	87006	Strand	-

Start	1	End	4776
Name	OJ000122_32.0315.C22.o2.np	Method	AAT/NAP
Start	777	End	3750
GI	7485810	Score	447
Exons	777..1724, 1956..2344, 3711..3750		
GI Descrip.	hypothetical protein F19I3.26 - Arabidopsis thaliana gi|3033399|gb|AAC12843.1| (AC004238) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41903	Seq. ID	OJ000122_32.0315.C22
Gene No.	87006	Strand	-
Start	1	End	4776
Name	OJ000122_32.0315.C22.o1.ts	Method	TBLASTX:Soybean
Start	900	End	1196
GI	none	Score	193
Exons	900..1196		

Seq. No.	41903	Seq. ID	OJ000122_32.0315.C22
Gene No.	87006	Strand	-
Start	1	End	4776
Name	OJ000122_32.0315.C22.o1.tm	Method	TBLASTX:Maize
Start	1011	End	1520
GI	none	Score	47
Exons	1011..1205, 1269..1391, 1440..1520		

Seq. No.	41903	Seq. ID	OJ000122_32.0315.C22
Gene No.	87006	Strand	-
Start	1	End	4776
Name	OJ000122_32.0315.C22.o1.tc	Method	TBLASTX:Cress
Start	1104	End	2276
GI	none	Score	62
Exons	1104..1196, 1263..1397, 1269..1394, 1413..1514, 1548..1709, 1554..1664, 1557..1820, 1629..1766, 1632..1811, 1974..2048, 2073..2264, 2157..2276		

Seq. No.	41903	Seq. ID	OJ000122_32.0315.C22
Gene No.	87006	Strand	-
Start	1	End	4776
Name	OJ000122_32.0315.C22.o1.gp	Method	AAT/GAP
Start	4272	End	4776
GI	14661_1.R1084	Score	976
Exons	4272..4776		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	41904	Seq. ID	OJ000122_32.0315.C23
Gene No.	87007	Strand	-
Start	1	End	502
Name	OJ000122_32.0315.C23.o1.gp	Method	AAT/GAP
Start	1	End	87
GI	5867_1.R1084	Score	143
Exons	1..87		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis		

thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	41904	Seq. ID	OJ000122_32.0315.C23
Gene No.	87007	Strand	-
Start	1	End	502
Name	OJ000122_32.0315.C23.o1.np	Method	AAT/NAP
Start	1	End	358
GI	7459449	Score	131
Exons	1..19, 193..358		
GI Descrip.	hypothetical protein F17A8.180 - Arabidopsis thaliana gi|4538913|emb|CAB39650.1| (AL049482) putative protein [Arabidopsis thaliana] gi|7267679|emb|CAB78106.1| (AL161516) putative protein [Arabidopsis thaliana]		

Seq. No.	41904	Seq. ID	OJ000122_32.0315.C23
Gene No.	87007	Strand	-
Start	1	End	502
Name	OJ000122_32.0315.C23.o2.gp	Method	AAT/GAP
Start	196	End	502
GI	29969_1.R1084	Score	559
Exons	196..502		
GI Descrip.	'4538913/emb|CAB39650.1| 4.0e-26 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	41904	Seq. ID	OJ000122_32.0315.C23
Gene No.	87007	Strand	-
Start	1	End	502
Name	OJ000122_32.0315.C23.o1.gs	Method	GENSCAN
Start	197	End	358
GI	none	Score	.72
Exons	197..358		

Seq. No.	41904	Seq. ID	OJ000122_32.0315.C23
Gene No.	87007	Strand	-
Start	1	End	502
Name	OJ000122_32.0315.C23.o1.tm	Method	TBLASTX:Maize
Start	197	End	352
GI	none	Score	138
Exons	197..352, 210..296		

Seq. No.	41904	Seq. ID	OJ000122_32.0315.C23
Gene No.	87007	Strand	-
Start	1	End	502
Name	OJ000122_32.0315.C23.o1.ts	Method	TBLASTX:Soybean
Start	197	End	349
GI	none	Score	103
Exons	197..349, 210..296		

Seq. No.	41905	Seq. ID	OJ000122_32.0315.C24
Gene No.	87008	Strand	-
Start	567	End	1191
Name	OJ000122_32.0315.C24.o1.gs	Method	GENSCAN
Start	567	End	1191
GI	none	Score	.71
Exons	567..748, 987..1191		

Seq. No.	41906	Seq. ID	OJ000122_32.0315.C27
Gene No.	87009	Strand	+
Start	349	End	937
Name	OJ000122_32.0315.C27.o1.np	Method	AAT/NAP
Start	349	End	937
GI	7431450	Score	301
Exons	349..534, 696..937		
GI Descrip.	aldehyde dehydrogenase (NAD+) (EC 1.2.1.3) T17F15.130 - Arabidopsis thaliana gi|4678328|emb|CAB41139.1| (AL049658) aldehyde dehydrogenase (NAD+)-like protein [Arabidopsis thaliana]		

Seq. No.	41906	Seq. ID	OJ000122_32.0315.C27
Gene No.	87009	Strand	+
Start	349	End	937
Name	OJ000122_32.0315.C27.o1.ts	Method	TBLASTX:Soybean
Start	369	End	937
GI	none	Score	207
Exons	369..542, 370..531, 695..937, 699..935		

Seq. No.	41906	Seq. ID	OJ000122_32.0315.C27
Gene No.	87009	Strand	+
Start	349	End	937
Name	OJ000122_32.0315.C27.o1.tc	Method	TBLASTX:Cress
Start	388	End	893
GI	none	Score	219
Exons	388..549, 390..542, 699..893, 716..892		

Seq. No.	41906	Seq. ID	OJ000122_32.0315.C27
Gene No.	87009	Strand	+
Start	349	End	937
Name	OJ000122_32.0315.C27.o1.tw	Method	TBLASTX:Wheat
Start	390	End	869
GI	none	Score	181
Exons	390..542, 391..543, 695..862, 696..869, 777..869		

Seq. No.	41906	Seq. ID	OJ000122_32.0315.C27
Gene No.	87009	Strand	+
Start	349	End	937
Name	OJ000122_32.0315.C27.o1.gp	Method	AAT/GAP
Start	392	End	886
GI	33672_1.R1084	Score	616
Exons	392..534, 696..886		
GI Descrip.	'4678328/emb|CAB41139.1| 8.0e-35 (AL049658) aldehyde dehydrogenase (NAD+)-like protein [Arabidopsis thaliana]'		

Seq. No.	41906	Seq. ID	OJ000122_32.0315.C27
Gene No.	87009	Strand	+
Start	349	End	937
Name	OJ000122_32.0315.C27.o1.gs	Method	GENSCAN
Start	392	End	863
GI	none	Score	1
Exons	392..534, 696..863		

Seq. No.	41906	Seq. ID	OJ000122_32.0315.C27
Gene No.	87009	Strand	+

Start	349	End	937
Name	OJ000122_32.0315.C27.o1.tm	Method	TBLASTX:Maize
Start	466	End	937
GI	none	Score	98
Exons	466..531, 695..937, 699..935		

Seq. No.	41907	Seq. ID	OJ000122_31.0321.C2
Gene No.	87010	Strand	+
Start	621	End	1479
Name	OJ000122_31.0321.C2.o1.gs	Method	GENSCAN
Start	621	End	1479
GI	none	Score	.57
Exons	621..671, 1336..1479		

Seq. No.	41908	Seq. ID	OJ000122_31.0321.C3
Gene No.	87011	Strand	+
Start	685	End	1034
Name	OJ000122_31.0321.C3.o1.gs	Method	GENSCAN
Start	685	End	1034
GI	none	Score	.71
Exons	685..768, 888..1034		

Seq. No.	41909	Seq. ID	OJ000122_31.0321.C4
Gene No.	87012	Strand	-
Start	1194	End	2704
Name	OJ000122_31.0321.C4.o1.gs	Method	GENSCAN
Start	1194	End	2704
GI	none	Score	.47
Exons	1194..1327, 2665..2704		

Seq. No.	41910	Seq. ID	OJ000122_31.0321.C5
Gene No.	87013	Strand	+
Start	537	End	5797
Name	OJ000122_31.0321.C5.o1.gs	Method	GENSCAN
Start	537	End	5724
GI	none	Score	.5
Exons	537..687, 1236..1329, 1773..1948, 3686..3825, 4466..4996, 5072..5328, 5423..5724		

Seq. No.	41910	Seq. ID	OJ000122_31.0321.C5
Gene No.	87013	Strand	+
Start	537	End	5797
Name	OJ000122_31.0321.C5.o1.np	Method	AAT/NAP
Start	3681	End	5797
GI	5852176	Score	1461
Exons	3681..3825, 4466..4996, 5072..5328, 5727..5797		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	41910	Seq. ID	OJ000122_31.0321.C5
Gene No.	87013	Strand	+
Start	537	End	5797
Name	OJ000122_31.0321.C5.o1.tc	Method	TBLASTX:Cress
Start	5089	End	5584
GI	none	Score	124
Exons	5089..5328, 5432..5584		

Seq. No.	41911	Seq. ID	OJ000122_31.0321.C6

Gene No.	87014	Strand	+
Start	1	End	1468
Name	OJ000122_31.0321.C6.o1.np	Method	AAT/NAP
Start	1	End	1468
GI	5852176	Score	1307
Exons	1..31, 145..348, 437..608, 663..963, 1255..1468		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	41911	Seq. ID	OJ000122_31.0321.C6
Gene No.	87014	Strand	+
Start	1	End	1468
Name	OJ000122_31.0321.C6.o1.gs	Method	GENSCAN
Start	14	End	1448
GI	none	Score	.75
Exons	14..71, 145..348, 437..1087, 1255..1448		

Seq. No.	41911	Seq. ID	OJ000122_31.0321.C6
Gene No.	87014	Strand	+
Start	1	End	1468
Name	OJ000122_31.0321.C6.o1.ts	Method	TBLASTX:Soybean
Start	424	End	636
GI	none	Score	155
Exons	424..549, 427..540, 522..551, 556..636		

Seq. No.	41911	Seq. ID	OJ000122_31.0321.C6
Gene No.	87014	Strand	+
Start	1	End	1468
Name	OJ000122_31.0321.C6.o1.tc	Method	TBLASTX:Cress
Start	439	End	636
GI	none	Score	232
Exons	439..636, 441..581		

Seq. No.	41911	Seq. ID	OJ000122_31.0321.C6
Gene No.	87014	Strand	+
Start	1	End	1468
Name	OJ000122_31.0321.C6.o1.tw	Method	TBLASTX:Wheat
Start	439	End	678
GI	none	Score	234
Exons	439..678, 441..575		

Seq. No.	41911	Seq. ID	OJ000122_31.0321.C6
Gene No.	87014	Strand	+
Start	1	End	1468
Name	OJ000122_31.0321.C6.o1.tm	Method	TBLASTX:Maize
Start	439	End	636
GI	none	Score	198
Exons	439..636		

Seq. No.	41912	Seq. ID	OJ000122_31.0321.C7
Gene No.	87015	Strand	+
Start	137	End	606
Name	OJ000122_31.0321.C7.o1.gs	Method	GENSCAN
Start	137	End	606
GI	none	Score	.81
Exons	137..240, 502..606		

Seq. No.	41913	Seq. ID	OJ000122_31.0321.C9

Gene No.	87016	Strand	-
Start	1	End	972
Name	OJ000122_31.0321.C9.o1.np	Method	AAT/NAP
Start	1	End	648
GI	2498930	Score	742
Exons	1..417, 585..648		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	41913	Seq. ID	OJ000122_31.0321.C9
Gene No.	87016	Strand	-
Start	1	End	972
Name	OJ000122_31.0321.C9.o1.gs	Method	GENSCAN
Start	23	End	972
GI	none	Score	.91
Exons	23..417, 585..644, 767..888, 953..972		

Seq. No.	41914	Seq. ID	OJ000122_31.0321.C12
Gene No.	87017	Strand	+
Start	79	End	5318
Name	OJ000122_31.0321.C12.o1.gs	Method	GENSCAN
Start	79	End	5318
GI	none	Score	.55
Exons	79..155, 1036..1178, 2072..2178, 2225..2332, 3969..4130, 4529..4619, 5216..5318		

Seq. No.	41914	Seq. ID	OJ000122_31.0321.C12
Gene No.	87017	Strand	+
Start	79	End	5318
Name	OJ000122_31.0321.C12.o1.np	Method	AAT/NAP
Start	1741	End	3809
GI	7523502	Score	168
Exons	1741..1834, 2135..2312, 3789..3809		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41915	Seq. ID	OJ000122_31.0321.C13
Gene No.	87018	Strand	+
Start	5028	End	5430
Name	OJ000122_31.0321.C13.o1.gp	Method	AAT/GAP
Start	5028	End	5430
GI	7406_1.R1084	Score	649
Exons	5028..5430		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	41915	Seq. ID	OJ000122_31.0321.C13
Gene No.	87019	Strand	-
Start	4966	End	6788
Name	OJ000122_31.0321.C13.o2.gs	Method	GENSCAN
Start	4966	End	6788
GI	none	Score	.47
Exons	4966..5074, 5700..5848, 5930..6130, 6301..6603, 6786..6788		

Seq. No.	41915	Seq. ID	OJ000122_31.0321.C13
Gene No.	87019	Strand	-
Start	4966	End	6788
Name	OJ000122_31.0321.C13.o1.np	Method	AAT/NAP

Start	5870	End	6611
GI	7228438	Score	975
Exons	5870..6130, 6301..6611		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	41915	Seq. ID	OJ000122_31.0321.C13
Gene No.	87020	Strand	-
Start	7015	End	7286
Name	OJ000122_31.0321.C13.o2.np	Method	AAT/NAP
Start	6991	End	7286
GI	7228442	Score	256
Exons	6991..7175, 7262..7286		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	41915	Seq. ID	OJ000122_31.0321.C13
Gene No.	87020	Strand	-
Start	7015	End	7286
Name	OJ000122_31.0321.C13.o3.gs	Method	GENSCAN
Start	7015	End	7175
GI	none	Score	.93
Exons	7015..7175		

Seq. No.	41916	Seq. ID	OJ000122_31.0321.C14
Gene No.	87021	Strand	-
Start	1	End	2280
Name	OJ000122_31.0321.C14.o1.np	Method	AAT/NAP
Start	1	End	2280
GI	7228442	Score	3985
Exons	1..2280		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	41916	Seq. ID	OJ000122_31.0321.C14
Gene No.	87021	Strand	-
Start	1	End	2280
Name	OJ000122_31.0321.C14.o1.gs	Method	GENSCAN
Start	149	End	2280
GI	none	Score	.72
Exons	149..887, 1005..2280		

Seq. No.	41916	Seq. ID	OJ000122_31.0321.C14
Gene No.	87021	Strand	-
Start	1	End	2280
Name	OJ000122_31.0321.C14.o1.tw	Method	TBLASTX:Wheat
Start	592	End	972
GI	none	Score	75
Exons	592..768, 622..768, 653..772, 766..963, 778..972		

Seq. No.	41916	Seq. ID	OJ000122_31.0321.C14
Gene No.	87021	Strand	-
Start	1	End	2280
Name	OJ000122_31.0321.C14.o1.tm	Method	TBLASTX:Maize

Start	670	End	1266
GI	none	Score	153
Exons	670..741, 805..1104, 866..1087, 1138..1266, 1160..1258		

Seq. No.	41916	Seq. ID	OJ000122_31.0321.C14
Gene No.	87021	Strand	-
Start	1	End	2280
Name	OJ000122_31.0321.C14.o1.gp	Method	AAT/GAP
Start	792	End	1223
GI	5701669	Score	837
Exons	792..1223		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	41917	Seq. ID	OJ000122_31.0321.C15
Gene No.	87022	Strand	+
Start	2189	End	5586
Name	OJ000122_31.0321.C15.o1.np	Method	AAT/NAP
Start	2189	End	5586
GI	7340884	Score	80
Exons	2189..2365, 5525..5586		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87023	Strand	+
Start	1844	End	6259
Name	OJ000122_31.0321.C16.o1.gs	Method	GENSCAN
Start	1844	End	6259
GI	none	Score	.7
Exons	1844..1932, 2781..3154, 3200..3209, 3249..3612, 3687..4118, 4261..4545, 4642..4936, 4973..5169, 5366..5669, 5783..6259		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87024	Strand	+
Start	18264	End	24780
Name	OJ000122_31.0321.C16.o3.gs	Method	GENSCAN
Start	18264	End	24780
GI	none	Score	.64
Exons	18264..18413, 19391..19439, 20249..20451, 21834..22002, 22564..22757, 23035..23137, 23637..23836, 23905..24028, 24142..24255, 24329..24780		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87024	Strand	+
Start	18264	End	24780
Name	OJ000122_31.0321.C16.o2.gp	Method	AAT/GAP
Start	20414	End	20831
GI	5816562	Score	632
Exons	20414..20831		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87024	Strand	+
Start	18264	End	24780

Name	OJ000122_31.0321.C16.o2.np	Method	AAT/NAP
Start	21873	End	24768
GI	6691716	Score	2426
Exons	21873..22761, 22959..23137, 23214..23300, 23375..23571, 23649..23836, 23891..23992, 24142..24255, 24329..24768		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87025	Strand	+
Start	37118	End	37498
Name	OJ000122_31.0321.C16.o4.np	Method	AAT/NAP
Start	37118	End	37498
GI	7106228	Score	74
Exons	37118..37498		
GI Descrip.	(AF218624) flagelliform silk protein [Nephila madagascariensis]		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87026	Strand	-
Start	775	End	860
Name	OJ000122_31.0321.C16.o1.gp	Method	AAT/GAP
Start	775	End	860
GI	LIB3477-003-P1-K1-E9	Score	110
Exons	775..860		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87027	Strand	-
Start	6973	End	12873
Name	OJ000122_31.0321.C16.o1.np	Method	AAT/NAP
Start	6973	End	12873
GI	7228457	Score	6190
Exons	6973..8521, 8588..10437, 10501..12352, 12424..12873		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87028	Strand	-
Start	25110	End	34338
Name	OJ000122_31.0321.C16.o4.gs	Method	GENSCAN
Start	25110	End	34338
GI	none	Score	.62
Exons	25110..25492, 25676..28191, 28288..30365, 30503..30669, 30695..31172, 31257..31307, 34264..34338		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87028	Strand	-
Start	25110	End	34338
Name	OJ000122_31.0321.C16.o3.np	Method	AAT/NAP
Start	25146	End	31220
GI	5922631	Score	6694
Exons	25146..27673, 28280..29197, 29324..29474, 29517..30089, 30135..30334, 30593..30837, 31096..31220		

GI Descrip. (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o9.tw	Method	TBLASTX:Wheat
Start	3005	End	22283
GI	none	Score	60
Exons	3005..3178, 21993..22283		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o2.tw	Method	TBLASTX:Wheat
Start	6982	End	25736
GI	none	Score	69
Exons	6982..7107, 6989..7108, 7135..7590, 7334..7441, 7481..7558, 7542..7580, 25122..25253, 25245..25736, 25447..25575, 25627..25716		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o4.tm	Method	TBLASTX:Maize
Start	7018	End	25424
GI	none	Score	82
Exons	7018..7101, 7019..7114, 7101..7211, 7102..7275, 25161..25262, 25189..25263, 25242..25424, 25243..25302		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o5.tm	Method	TBLASTX:Maize
Start	7366	End	25779
GI	none	Score	55
Exons	7366..7446, 7462..7545, 7540..7638, 25506..25592, 25602..25685, 25615..25689, 25680..25778, 25681..25779		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o4.tw	Method	TBLASTX:Wheat
Start	7711	End	26238
GI	none	Score	84
Exons	7711..7842, 7711..8100, 7787..8077, 25851..26042, 25851..26237, 25927..26238		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o1.tm	Method	TBLASTX:Maize

Start	7769	End	26246
GI	none	Score	217
Exons	7769..7909, 7780..8103, 7793..8086, 25920..26243, 25921..26244, 25938..26246		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o5.tw	Method	TBLASTX:Wheat
Start	8457	End	26978
GI	none	Score	169
Exons	8457..8750, 8539..8787, 8818..8928, 8832..8933, 26556..26978, 26632..26973		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o2.ts	Method	TBLASTX:Soybean
Start	8511	End	26979
GI	none	Score	62
Exons	8511..8747, 8838..8936, 26599..26715, 26601..26843, 26767..26847, 26883..26978, 26893..26979		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o3.tw	Method	TBLASTX:Wheat
Start	8985	End	27450
GI	none	Score	62
Exons	8985..9128, 9354..9446, 9442..9612, 9443..9613, 27015..27443, 27034..27450, 27235..27444		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o3.tm	Method	TBLASTX:Maize
Start	9333	End	27546
GI	none	Score	40
Exons	9333..9437, 9354..9431, 9469..9714, 9479..9718, 27102..27128, 27126..27269, 27288..27545, 27291..27545, 27292..27546		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o1.ts	Method	TBLASTX:Soybean
Start	9433	End	27614
GI	none	Score	44
Exons	9433..9741, 27213..27614, 27247..27417, 27454..27597, 27468..27602		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o7.tw	Method	TBLASTX:Wheat
Start	9658	End	27807
GI	none	Score	74
Exons	9658..9741, 9671..9742, 9726..9968, 9743..9967, 27489..27806,		

27490..27807

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o2.tm	Method	TBLASTX:Maize
Start	9944	End	28133
GI	none	Score	143
Exons	9944..9988, 9989..10213, 9994..10257, 9994..10299, 27777..28133, 27787..28092		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o1.tw	Method	TBLASTX:Wheat
Start	9971	End	28263
GI	none	Score	222
Exons	9971..10222, 9988..10428, 9989..10213, 10298..10429, 10308..10430, 27807..28262, 27808..28263		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o3.ts	Method	TBLASTX:Soybean
Start	10024	End	28223
GI	none	Score	129
Exons	10024..10158, 10165..10389, 27858..27992, 27999..28223		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o6.tw	Method	TBLASTX:Wheat
Start	10624	End	28889
GI	none	Score	95
Exons	10624..10842, 10643..10843, 10938..11030, 10948..10977, 28491..28889, 28522..28764		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o8.tw	Method	TBLASTX:Wheat
Start	11764	End	29913
GI	none	Score	71
Exons	11764..12159, 11891..12136, 29511..29912, 29605..29913		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o10.tw	Method	TBLASTX:Wheat
Start	26241	End	26540
GI	none	Score	135
Exons	26241..26339, 26393..26530, 26406..26540		

Seq. No.	41918	Seq. ID	OJ000122_31.0321.C16
Gene No.	87029	Strand	-
Start	36971	End	37444
Name	OJ000122_31.0321.C16.o5.gs	Method	GENSCAN

Start	36971	End	37444
GI	none	Score	.99
Exons	36971..37444		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87030	Strand	+
Start	73	End	3261
Name	OJ000122_31.0321.C17.o1.gs	Method	GENSCAN
Start	73	End	3261
GI	none	Score	.58
Exons	73..325, 1129..1879, 1972..2182, 2350..3261		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87030	Strand	+
Start	73	End	3261
Name	OJ000122_31.0321.C17.o1.np	Method	AAT/NAP
Start	160	End	3258
GI	7413534	Score	1504
Exons	160..325, 1129..1215, 1251..1883, 1982..2182, 2429..3258		
GI Descrip.	(AL162972) disease resistance-like protein [Arabidopsis thaliana]		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87031	Strand	-
Start	2874	End	3365
Name	OJ000122_31.0321.C17.o1.gp	Method	AAT/GAP
Start	2874	End	3365
GI	uC-osf1cyp160g01a1	Score	964
Exons	2874..3365		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o1.ts	Method	TBLASTX:Soybean
Start	234	End	3149
GI	none	Score	98
Exons	234..311, 235..324, 1130..1219, 1131..1880, 1131..1313, 1250..1876, 1371..1877, 1976..2116, 1981..2064, 1991..2113, 2117..2176, 2422..2646, 2427..2612, 2428..2652, 2686..2739, 2692..2751, 2769..3149, 2770..3093, 2779..3000		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o1.tm	Method	TBLASTX:Maize
Start	244	End	3093
GI	none	Score	119
Exons	244..324, 249..323, 284..325, 1130..1900, 1131..1880, 1897..2175, 1955..2176, 2400..3020, 2427..2615, 2434..3018, 2692..3021, 2694..3020, 2923..3093, 2992..3093		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o2.tc	Method	TBLASTX:Cress

Start	2029	End	2826
GI	none	Score	154
Exons	2029..2175, 2030..2176, 2425..2826, 2427..2591		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o1.tw	Method	TBLASTX:Wheat
Start	2449	End	3153
GI	none	Score	57
Exons	2449..2631, 2756..3097, 2756..3097, 2757..3128, 2757..3152, 2758..3153		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o3.tc	Method	TBLASTX:Cress
Start	2872	End	3252
GI	none	Score	240
Exons	2872..3093, 2874..3107, 3000..3095, 3145..3252		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o4.tm	Method	TBLASTX:Maize
Start	3094	End	3373
GI	none	Score	37
Exons	3094..3264, 3096..3128, 3142..3264, 3152..3265, 3268..3372, 3320..3373		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o2.gs	Method	GENSCAN
Start	3820	End	6070
GI	none	Score	.85
Exons	3820..4110, 4197..4295, 4420..4560, 4753..4845, 5090..5182, 5298..5351, 5468..5569, 5710..5856, 5897..6070		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o2.np	Method	AAT/NAP
Start	3823	End	6070
GI	7446439	Score	1276
Exons	3823..4110, 4197..4295, 4420..4524, 4753..4845, 5090..5182, 5298..5351, 5468..5569, 5710..5784, 5897..6070		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F17I5.140 - Arabidopsis thaliana gi|3297819|emb|CAA19877.1| (AL031032) protein kinase-like protein [Arabidopsis thaliana] gi|7270344|emb|CAB80112.1| (AL161584) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o2.tm	Method	TBLASTX:Maize

Start	3828	End	4524
GI	none	Score	58
Exons	3828..3908, 3916..4110, 3926..4111, 4182..4298, 4197..4301, 4419..4517, 4420..4524, 4420..4524		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o1.tc	Method	TBLASTX:Cress
Start	3837	End	6070
GI	none	Score	64
Exons	3837..3917, 3913..4110, 3947..4111, 4186..4299, 4197..4301, 4419..4526, 4420..4527, 4469..4525, 4741..4866, 4753..4866, 4757..4918, 5090..5197, 5091..5183, 5101..5199, 5254..5352, 5271..5354, 5468..5572, 5469..5570, 5698..5787, 5699..5791, 5894..6070, 5901..6008		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o2.ts	Method	TBLASTX:Soybean
Start	3916	End	5351
GI	none	Score	186
Exons	3916..4113, 3920..4111, 4005..4112, 4027..4113, 4182..4301, 4183..4284, 4420..4527, 4420..4527, 4741..4866, 4751..4918, 5077..5193, 5090..5197, 5094..5183, 5271..5351, 5272..5343		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o2.gp	Method	AAT/GAP
Start	4047	End	4520
GI	2442470	Score	444
Exons	4047..4110, 4197..4295, 4420..4520		
GI Descrip.	3297819/emb|CAA19877.1| 2.0e-28 (AL031032) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o3.gp	Method	AAT/GAP
Start	4529	End	5205
GI	LIB3433-020-P1-K1-D2	Score	771
Exons	4529..4845, 5090..5205		
GI Descrip.	'3297819/emb|CAA19877.1| 2.0e-28 (AL031032) protein kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o3.tm	Method	TBLASTX:Maize
Start	4741	End	6043
GI	none	Score	133
Exons	4741..4899, 4751..4918, 5090..5197, 5091..5183, 5271..5354, 5272..5352, 5277..5354, 5468..5497, 5496..5570, 5498..5572, 5698..5787, 5699..5791, 5894..6043, 5898..6005		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o2.tw	Method	TBLASTX:Wheat
Start	5316	End	6043
GI	none	Score	61
Exons	5316..5354, 5317..5352, 5468..5572, 5469..5570, 5698..5787, 5699..5791, 5894..6043, 5898..6005		

Seq. No.	41919	Seq. ID	OJ000122_31.0321.C17
Gene No.	87032	Strand	-
Start	3820	End	6070
Name	OJ000122_31.0321.C17.o3.ts	Method	TBLASTX:Soybean
Start	5517	End	6043
GI	none	Score	71
Exons	5517..5570, 5519..5572, 5698..5787, 5699..5791, 5894..6043, 5901..6005		

Seq. No.	41920	Seq. ID	OJ000122_31.0321.C18
Gene No.	87033	Strand	+
Start	2165	End	9721
Name	OJ000122_31.0321.C18.o1.gs	Method	GENSCAN
Start	2165	End	9721
GI	none	Score	.49
Exons	2165..2222, 2791..2994, 8872..9306, 9404..9721		

Seq. No.	41920	Seq. ID	OJ000122_31.0321.C18
Gene No.	87033	Strand	+
Start	2165	End	9721
Name	OJ000122_31.0321.C18.o1.gp	Method	AAT/GAP
Start	9239	End	9704
GI	none	Score	643
Exons	9239..9352, 9447..9704		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87034	Strand	+
Start	546	End	6461
Name	OJ000122_31.0321.C19.o1.gs	Method	GENSCAN
Start	546	End	6461
GI	none	Score	.41
Exons	546..699, 934..1010, 1118..1343, 2102..2175, 2660..2935, 3008..3109, 3242..3324, 4360..4651, 4800..5052, 5372..5614, 5702..5821, 6013..6461		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87034	Strand	+
Start	546	End	6461
Name	OJ000122_31.0321.C19.o1.np	Method	AAT/NAP
Start	610	End	3056
GI	4335773	Score	176
Exons	610..699, 934..1020, 1107..1227, 3014..3056		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87034	Strand	+
Start	546	End	6461
Name	OJ000122_31.0321.C19.o1.gp	Method	AAT/GAP

Start	2612	End	3104
GI	LIB3479-005-Q6-K1-E5	Score	574
Exons	2612..2870, 3008..3104		
GI Descrip.	'4006861/emb|CAB16779.1| 2.0e-20 (Z99707) tubulin-like protein [Arabidopsis thaliana]'		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87034	Strand	+
Start	546	End	6461
Name	OJ000122_31.0321.C19.o2.gp	Method	AAT/GAP
Start	2696	End	3213
GI	LIB3479-005-Q6-K1-E5	Score	450
Exons	2696..2870, 3008..3213		
GI Descrip.	'4006861/emb|CAB16779.1| 2.0e-20 (Z99707) tubulin-like protein [Arabidopsis thaliana]'		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87034	Strand	+
Start	546	End	6461
Name	OJ000122_31.0321.C19.o2.np	Method	AAT/NAP
Start	2799	End	6458
GI	4006861	Score	1281
Exons	2799..2870, 3008..3109, 3242..3287, 3632..3710, 4300..4651, 4800..5052, 5372..5641, 5728..5821, 6013..6458		
GI Descrip.	(Z99707) tubulin-like protein [Arabidopsis thaliana]		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87034	Strand	+
Start	546	End	6461
Name	OJ000122_31.0321.C19.o3.gp	Method	AAT/GAP
Start	4570	End	5731
GI	428723	Score	626
Exons	4570..4651, 5372..5614, 5702..5731		
GI Descrip.	4006861/emb|CAB16779.1| 3.0e-15 (Z99707) tubulin-like protein [Arabidopsis thaliana]		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87035	Strand	+
Start	9755	End	10039
Name	OJ000122_31.0321.C19.o3.tm	Method	TBLASTX:Maize
Start	923	End	1296
GI	none	Score	132
Exons	923..1009, 924..1010, 930..1010, 1115..1159, 1126..1158, 1213..1260, 1243..1296		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87035	Strand	+
Start	9755	End	10039
Name	OJ000122_31.0321.C19.o2.tm	Method	TBLASTX:Maize
Start	4477	End	5046
GI	none	Score	181
Exons	4477..4653, 4484..4663, 4495..4647, 4797..4961, 4798..4938, 4799..4939, 4934..5041, 4935..5045, 4957..5046		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87035	Strand	+
Start	9755	End	10039

Name	OJ000122_31.0321.C19.o1.tm	Method	TBLASTX:Maize
Start	5474	End	6392
GI	none	Score	205
Exons	5474..5617, 5481..5618, 5482..5613, 5695..5808, 5699..5809, 5701..5823, 6011..6184, 6012..6185, 6186..6392, 6191..6391		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87035	Strand	+
Start	9755	End	10039
Name	OJ000122_31.0321.C19.o1.tc	Method	TBLASTX:Cress
Start	6030	End	6475
GI	none	Score	66
Exons	6030..6143, 6080..6475, 6081..6467		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87035	Strand	+
Start	9755	End	10039
Name	OJ000122_31.0321.C19.o1.ts	Method	TBLASTX:Soybean
Start	6089	End	6446
GI	none	Score	346
Exons	6089..6430, 6090..6446		

Seq. No.	41921	Seq. ID	OJ000122_31.0321.C19
Gene No.	87035	Strand	+
Start	9755	End	10039
Name	OJ000122_31.0321.C19.o2.gs	Method	GENSCAN
Start	9755	End	10039
GI	none	Score	.58
Exons	9755..9908, 10020..10039		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o1.gs	Method	GENSCAN
Start	339	End	3787
GI	none	Score	.98
Exons	339..387, 807..2758, 2844..3002, 3434..3605, 3687..3787		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o1.np	Method	AAT/NAP
Start	568	End	4828
GI	7436361	Score	3636
Exons	568..692, 818..2758, 2844..3002, 3434..3605, 3687..3984, 4592..4828		
GI Descrip.	Ca2+-transporting ATPase (EC 3.6.1.38) ACA2 - Arabidopsis thaliana gi|3335060|gb|AAC26997.1| (AF025842) plasma membrane-type calcium ATPase [Arabidopsis thaliana] gi|4468989|emb|CAB38303.1| (AL035605) plasma membrane-type calcium ATPase (ACA2) [Arabidopsis thaliana] gi|7270746|emb|CAB80429.1| (AL161591) plasma membrane-type calcium ATPase (ACA2) [Arabidopsis thaliana]		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056

Name	OJ000122_31.0321.C20.o1.tc	Method	TBLASTX:Cress
Start	627	End	4834
GI	none	Score	72
Exons	627..680, 803..2761, 815..937, 820..1923, 1984..2388, 2416..2751, 2507..2761, 2835..3005, 2837..3004, 2838..3005, 3429..3608, 3431..3607, 3433..3612, 3560..3766, 3685..3765, 3757..3987, 3765..3989, 4577..4834, 4589..4675, 4591..4833		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o3.tm	Method	TBLASTX:Maize
Start	865	End	1126
GI	none	Score	303
Exons	865..1122, 866..1126		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o3.ts	Method	TBLASTX:Soybean
Start	875	End	1332
GI	none	Score	318
Exons	875..1330, 1057..1332		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o2.tm	Method	TBLASTX:Maize
Start	1282	End	2086
GI	none	Score	1025
Exons	1282..1686, 1283..2086, 1298..2056		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o2.ts	Method	TBLASTX:Soybean
Start	1423	End	2134
GI	none	Score	968
Exons	1423..1923, 1424..2134, 1424..2134		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o1.tw	Method	TBLASTX:Wheat
Start	1857	End	2203
GI	none	Score	515
Exons	1857..2201, 1859..2203, 1865..2203		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o1.gp	Method	AAT/GAP
Start	2054	End	2513
GI	2428315	Score	874
Exons	2054..2513		
GI Descrip.	4884966/gb|AAD31896.1|AF145478_1 6.0e-42 (AF145478) calcium ATPase [Mesembryanthemum crystallinum]		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o1.tm	Method	TBLASTX:Maize
Start	2090	End	4639
GI	none	Score	858
Exons	2090..2761, 2090..2743, 2092..2760, 2838..3005, 2841..3005, 3431..3607, 3431..3604, 3433..3612, 3680..3766, 3685..3765, 3757..3987, 3765..3989, 3777..3989, 4577..4639		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o1.ts	Method	TBLASTX:Soybean
Start	2138	End	4840
GI	none	Score	806
Exons	2138..2761, 2139..2345, 2140..2760, 2808..3005, 2838..3005, 2920..3006, 3428..3607, 3429..3608, 3431..3607, 3433..3621, 3433..3612, 3680..3766, 3683..3754, 3685..3765, 3757..3987, 3765..3986, 4577..4840, 4589..4678, 4642..4827		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o2.gp	Method	AAT/GAP
Start	2889	End	3892
GI	23613_1.R1084	Score	795
Exons	2889..3002, 3434..3605, 3687..3892		
GI Descrip.	'4884966/gb|AAD31896.1|AF145478_1 3.0e-71 (AF145478) calcium ATPase [Mesembryanthemum crystallinum]'		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o2.tw	Method	TBLASTX:Wheat
Start	3943	End	4828
GI	none	Score	62
Exons	3943..3987, 4577..4828		

Seq. No.	41922	Seq. ID	OJ000122_31.0321.C20
Gene No.	87036	Strand	+
Start	339	End	5056
Name	OJ000122_31.0321.C20.o4.tm	Method	TBLASTX:Maize
Start	4639	End	5056
GI	none	Score	259
Exons	4639..4842, 4640..4840, 4642..4851, 4655..4849, 4878..4916, 4882..4920, 4958..5056		

Seq. No.	41923	Seq. ID	OJ000122_31.0321.C21
Gene No.	87037	Strand	+
Start	524	End	696
Name	OJ000122_31.0321.C21.o1.gs	Method	GENSCAN
Start	524	End	696
GI	none	Score	.55
Exons	524..696		

Seq. No.	41923	Seq. ID	OJ000122_31.0321.C21
Gene No.	87038	Strand	-
Start	1966	End	7497
Name	OJ000122_31.0321.C21.o1.np	Method	AAT/NAP
Start	1795	End	5427
GI	6466937	Score	528
Exons	1795..2415, 5395..5427		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	41923	Seq. ID	OJ000122_31.0321.C21
Gene No.	87038	Strand	-
Start	1966	End	7497
Name	OJ000122_31.0321.C21.o1.tw	Method	TBLASTX:Wheat
Start	1885	End	2200
GI	none	Score	153
Exons	1885..2193, 1886..2200		

Seq. No.	41923	Seq. ID	OJ000122_31.0321.C21
Gene No.	87038	Strand	-
Start	1966	End	7497
Name	OJ000122_31.0321.C21.o1.tm	Method	TBLASTX:Maize
Start	1933	End	2400
GI	none	Score	135
Exons	1933..2400, 1955..2191		

Seq. No.	41923	Seq. ID	OJ000122_31.0321.C21
Gene No.	87038	Strand	-
Start	1966	End	7497
Name	OJ000122_31.0321.C21.o2.gs	Method	GENSCAN
Start	1966	End	3165
GI	none	Score	.91
Exons	1966..2165, 3132..3165		

Seq. No.	41923	Seq. ID	OJ000122_31.0321.C21
Gene No.	87038	Strand	-
Start	1966	End	7497
Name	OJ000122_31.0321.C21.o1.ts	Method	TBLASTX:Soybean
Start	2071	End	2271
GI	none	Score	79
Exons	2071..2271, 2072..2203		

Seq. No.	41923	Seq. ID	OJ000122_31.0321.C21
Gene No.	87038	Strand	-
Start	1966	End	7497
Name	OJ000122_31.0321.C21.o3.gs	Method	GENSCAN
Start	4194	End	7497
GI	none	Score	.4
Exons	4194..4470, 4777..5009, 5063..5168, 7463..7497		

Seq. No.	41924	Seq. ID	OJ000122_31.0321.C22
Gene No.	87039	Strand	-
Start	522	End	952
Name	OJ000122_31.0321.C22.o1.gs	Method	GENSCAN
Start	522	End	952
GI	none	Score	.76
Exons	522..684, 774..952		

Seq. No.	41925	Seq. ID	OJ000302_23.0331.C3
Gene No.	87040	Strand	-
Start	3	End	1441
Name	OJ000302_23.0331.C3.o1.np	Method	AAT/NAP
Start	3	End	1441
GI	7488897	Score	164
Exons	3..119, 233..330, 1398..1441		
GI Descrip.	hypothetical protein - castor bean gi|1632831|emb|CAA89698.1| (Z49698) orf [Ricinus communis]		

Seq. No.	41925	Seq. ID	OJ000302_23.0331.C3
Gene No.	87040	Strand	-
Start	3	End	1441
Name	OJ000302_23.0331.C3.o1.gp	Method	AAT/GAP
Start	45	End	315
GI	1095_1.R1084	Score	247
Exons	45..119, 233..315		
GI Descrip.	'4680489/gb|AAD27669.1|AF119222_1 2.0e-09 (AF119222) hypothetical protein [Oryza sativa]'		

Seq. No.	41925	Seq. ID	OJ000302_23.0331.C3
Gene No.	87040	Strand	-
Start	3	End	1441
Name	OJ000302_23.0331.C3.o1.tw	Method	TBLASTX:Wheat
Start	45	End	339
GI	none	Score	134
Exons	45..122, 46..123, 46..123, 230..331, 231..314, 235..315, 235..339		

Seq. No.	41925	Seq. ID	OJ000302_23.0331.C3
Gene No.	87040	Strand	-
Start	3	End	1441
Name	OJ000302_23.0331.C3.o1.tm	Method	TBLASTX:Maize
Start	45	End	331
GI	none	Score	128
Exons	45..122, 46..120, 49..123, 230..331, 237..314, 238..315, 263..328		

Seq. No.	41925	Seq. ID	OJ000302_23.0331.C3
Gene No.	87040	Strand	-
Start	3	End	1441
Name	OJ000302_23.0331.C3.o1.ts	Method	TBLASTX:Soybean
Start	45	End	331
GI	none	Score	117
Exons	45..122, 46..117, 53..118, 230..331		

Seq. No.	41925	Seq. ID	OJ000302_23.0331.C3
Gene No.	87040	Strand	-
Start	3	End	1441
Name	OJ000302_23.0331.C3.o1.tc	Method	TBLASTX:Cress
Start	48	End	331
GI	none	Score	98
Exons	48..122, 52..120, 230..331, 237..314		

Seq. No.	41925	Seq. ID	OJ000302_23.0331.C3
Gene No.	87040	Strand	-

Start	3	End	1441
Name	OJ000302_23.0331.C3.o1.gs	Method	GENSCAN
Start	77	End	322
GI	none	Score	.45
Exons	77..119, 233..322		

Seq. No.	41926	Seq. ID	OJ000302_23.0331.C4
Gene No.	87041	Strand	+
Start	384	End	1864
Name	OJ000302_23.0331.C4.o1.gs	Method	GENSCAN
Start	384	End	1864
GI	none	Score	.94
Exons	384..561, 1746..1864		

Seq. No.	41926	Seq. ID	OJ000302_23.0331.C4
Gene No.	87042	Strand	-
Start	1	End	623
Name	OJ000302_23.0331.C4.o1.np	Method	AAT/NAP
Start	1	End	517
GI	7488897	Score	195
Exons	1..26, 376..517		
GI Descrip.	hypothetical protein - castor bean gi|1632831|emb|CAA89698.1| (Z49698) orf [Ricinus communis]		

Seq. No.	41926	Seq. ID	OJ000302_23.0331.C4
Gene No.	87042	Strand	-
Start	1	End	623
Name	OJ000302_23.0331.C4.o1.tc	Method	TBLASTX:Cress
Start	375	End	524
GI	none	Score	108
Exons	375..524, 377..517		

Seq. No.	41926	Seq. ID	OJ000302_23.0331.C4
Gene No.	87042	Strand	-
Start	1	End	623
Name	OJ000302_23.0331.C4.o1.ts	Method	TBLASTX:Soybean
Start	375	End	523
GI	none	Score	113
Exons	375..512, 377..523		

Seq. No.	41926	Seq. ID	OJ000302_23.0331.C4
Gene No.	87042	Strand	-
Start	1	End	623
Name	OJ000302_23.0331.C4.o1.tm	Method	TBLASTX:Maize
Start	375	End	518
GI	none	Score	171
Exons	375..518, 377..517		

Seq. No.	41926	Seq. ID	OJ000302_23.0331.C4
Gene No.	87042	Strand	-
Start	1	End	623
Name	OJ000302_23.0331.C4.o1.tw	Method	TBLASTX:Wheat
Start	375	End	521
GI	none	Score	145
Exons	375..521, 377..520		

Seq. No.	41926	Seq. ID	OJ000302_23.0331.C4

Gene No.	87042	Strand	-
Start	1	End	623
Name	OJ000302_23.0331.C4.o1.gp	Method	AAT/GAP
Start	376	End	623
GI	1095_1.R1084	Score	423
Exons	376..623		
GI Descrip.	'4680489/gb|AAD27669.1|AF119222_1 2.0e-09 (AF119222) hypothetical protein [Oryza sativa]'		

Seq. No.	41927	Seq. ID	OJ000302_23.0331.C7
Gene No.	87043	Strand	+
Start	590	End	2100
Name	OJ000302_23.0331.C7.o1.np	Method	AAT/NAP
Start	590	End	2100
GI	6539588	Score	70
Exons	590..696, 1414..1627, 2054..2100		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	41927	Seq. ID	OJ000302_23.0331.C7
Gene No.	87044	Strand	-
Start	651	End	1596
Name	OJ000302_23.0331.C7.o1.gs	Method	GENSCAN
Start	651	End	1596
GI	none	Score	.66
Exons	651..674, 1459..1596		

Seq. No.	41928	Seq. ID	OJ000302_23.0331.C9
Gene No.	87045	Strand	+
Start	472	End	1898
Name	OJ000302_23.0331.C9.o1.np	Method	AAT/NAP
Start	472	End	1898
GI	5852180	Score	385
Exons	472..525, 1515..1632, 1684..1898		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	41928	Seq. ID	OJ000302_23.0331.C9
Gene No.	87046	Strand	-
Start	374	End	758
Name	OJ000302_23.0331.C9.o1.gp	Method	AAT/GAP
Start	374	End	758
GI	uC-osf1cyp033a04b1	Score	608
Exons	374..758		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	41928	Seq. ID	OJ000302_23.0331.C9
Gene No.	87047	Strand	-
Start	1153	End	1708
Name	OJ000302_23.0331.C9.o1.gs	Method	GENSCAN
Start	1153	End	1708
GI	none	Score	.6
Exons	1153..1278, 1537..1708		

Seq. No.	41929	Seq. ID	OJ000302_23.0331.C10
Gene No.	87048	Strand	+
Start	57	End	3200
Name	OJ000302_23.0331.C10.o1.gs	Method	GENSCAN

Start	57	End	3189
GI	none	Score	.45
Exons	57..63, 2145..2446, 2515..3189		

Seq. No.	41929	Seq. ID	OJ000302_23.0331.C10
Gene No.	87048	Strand	+
Start	57	End	3200
Name	OJ000302_23.0331.C10.o1.np	Method	AAT/NAP
Start	80	End	3200
GI	3355308	Score	734
Exons	80..105, 2108..2968, 3002..3200		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	41929	Seq. ID	OJ000302_23.0331.C10
Gene No.	87048	Strand	+
Start	57	End	3200
Name	OJ000302_23.0331.C10.o1.tc	Method	TBLASTX:Cress
Start	2201	End	3197
GI	none	Score	289
Exons	2201..2557, 2413..2559, 2557..2610, 2608..2823, 2691..2801, 2818..2967, 2841..2960, 3022..3195, 3039..3197		

Seq. No.	41929	Seq. ID	OJ000302_23.0331.C10
Gene No.	87048	Strand	+
Start	57	End	3200
Name	OJ000302_23.0331.C10.o1.tm	Method	TBLASTX:Maize
Start	2309	End	3195
GI	none	Score	255
Exons	2309..2557, 2410..2559, 2557..2610, 2656..2811, 2691..2801, 2818..2964, 2841..2957, 3022..3195, 3147..3194		

Seq. No.	41929	Seq. ID	OJ000302_23.0331.C10
Gene No.	87048	Strand	+
Start	57	End	3200
Name	OJ000302_23.0331.C10.o1.ts	Method	TBLASTX:Soybean
Start	2309	End	2958
GI	none	Score	129
Exons	2309..2449, 2462..2557, 2470..2559, 2557..2610, 2653..2805, 2697..2801, 2818..2958, 2841..2951		

Seq. No.	41929	Seq. ID	OJ000302_23.0331.C10
Gene No.	87048	Strand	+
Start	57	End	3200
Name	OJ000302_23.0331.C10.o2.tw	Method	TBLASTX:Wheat
Start	2327	End	2557
GI	none	Score	226
Exons	2327..2557, 2425..2556		

Seq. No.	41929	Seq. ID	OJ000302_23.0331.C10
Gene No.	87048	Strand	+
Start	57	End	3200
Name	OJ000302_23.0331.C10.o1.tw	Method	TBLASTX:Wheat
Start	2559	End	2958
GI	none	Score	59
Exons	2559..2591, 2560..2607, 2653..2820, 2691..2798, 2827..2958, 2830..2952, 2868..2954		

Seq. No.	41930	Seq. ID	OJ000302_23.0331.C11
Gene No.	87049	Strand	+
Start	66	End	327
Name	OJ000302_23.0331.C11.o1.gs	Method	GENSCAN
Start	66	End	327
GI	none	Score	.49
Exons	66..327		

Seq. No.	41931	Seq. ID	OJ000302_23.0331.C15
Gene No.	87050	Strand	+
Start	184	End	5959
Name	OJ000302_23.0331.C15.o1.gp	Method	AAT/GAP
Start	184	End	2453
GI	45148_1.R1084	Score	1378
Exons	184..687, 2131..2453		
GI Descrip.	'115583/sp|P29194|CAP2_SORVU 1.0e-62 PHOSPHOENOLPYRUVATE CARBOXYLASE 2 (PEPCASE) (CP28) >gi_100758_pir__S18240 phosphoenolpyruvate carboxylase (EC 4.1.1.31) - sorghum >gi_22593_emb_CAA42549_ (X59925) phosphoenolpyruvate carboxylase [Sorghum bicolor]'		

Seq. No.	41931	Seq. ID	OJ000302_23.0331.C15
Gene No.	87050	Strand	+
Start	184	End	5959
Name	OJ000302_23.0331.C15.o1.gs	Method	GENSCAN
Start	523	End	5735
GI	none	Score	.97
Exons	523..687, 2131..2522, 2605..2689, 2882..3104, 3184..3287, 3359..3446, 3534..3688, 3793..4210, 4400..4791, 4927..5313, 5439..5735		

Seq. No.	41931	Seq. ID	OJ000302_23.0331.C15
Gene No.	87050	Strand	+
Start	184	End	5959
Name	OJ000302_23.0331.C15.o1.tm	Method	TBLASTX:Maize
Start	529	End	5758
GI	none	Score	208
Exons	529..708, 2131..2316, 2131..2307, 2308..2523, 2313..2522, 2588..2689, 2603..2695, 2843..3106, 2854..3147, 2855..3118, 3182..3295, 3183..3290, 3353..3442, 3356..3412, 3515..3688, 3532..3684, 3533..3688, 3783..4331, 3790..4788, 3790..4791, 4925..5086, 4927..5298, 5010..5300, 5183..5314, 5428..5598, 5433..5627, 5441..5635, 5627..5737, 5628..5738, 5634..5738, 5636..5758		

Seq. No.	41931	Seq. ID	OJ000302_23.0331.C15
Gene No.	87050	Strand	+
Start	184	End	5959
Name	OJ000302_23.0331.C15.o1.np	Method	AAT/NAP
Start	535	End	5732
GI	115583	Score	4325
Exons	535..687, 2131..2522, 2605..2689, 2882..3104, 3184..3287, 3359..3446, 3534..3688, 3793..4791, 4927..5313, 5439..5732		
GI Descrip.	PHOSPHOENOLPYRUVATE CARBOXYLASE 2 (PEPCASE) (CP28) gi|100758|pir||S18240 phosphoenolpyruvate carboxylase (EC 4.1.1.31) - sorghum gi|22593|emb|CAA42549.1| (X59925) phosphoenolpyruvate carboxylase [Sorghum bicolor]		

Seq. No.	41931	Seq. ID	OJ000302_23.0331.C15
Gene No.	87050	Strand	+
Start	184	End	5959
Name	OJ000302_23.0331.C15.o1.ts	Method	TBLASTX:Soybean
Start	535	End	5790
GI	none	Score	234
Exons	535..708, 2131..2523, 2132..2302, 2211..2522, 2363..2527, 2588..2689, 2603..2695, 2854..3150, 2855..3118, 3182..3295, 3183..3290, 3353..3430, 3356..3430, 3515..3688, 3532..3684, 3790..4797, 3790..4335, 3792..4475, 4378..4791, 4509..4805, 4925..5077, 4926..5075, 4927..5298, 4998..5297, 5138..5323, 5235..5324, 5433..5735, 5434..5592, 5510..5734, 5639..5737, 5656..5790		

Seq. No.	41931	Seq. ID	OJ000302_23.0331.C15
Gene No.	87050	Strand	+
Start	184	End	5959
Name	OJ000302_23.0331.C15.o1.tc	Method	TBLASTX:Cress
Start	535	End	5754
GI	none	Score	236
Exons	535..708, 2123..2302, 2130..2330, 2131..2331, 2131..2322, 2202..2330, 2308..2523, 2310..2522, 2311..2523, 2588..2689, 2603..2695, 2843..3133, 2854..3150, 2855..3118, 2880..3149, 3182..3286, 3183..3290, 3353..3433, 3357..3443, 3358..3432, 3528..3665, 3530..3688, 3531..3686, 3532..3687, 3789..3986, 3790..3990, 3792..3992, 3988..4797, 3991..4320, 4041..4475, 4387..4791, 4509..4796, 4927..5298, 4937..5077, 4941..5309, 4998..5297, 5150..5308, 5162..5323, 5433..5741, 5507..5743, 5656..5754		

Seq. No.	41931	Seq. ID	OJ000302_23.0331.C15
Gene No.	87050	Strand	+
Start	184	End	5959
Name	OJ000302_23.0331.C15.o2.tw	Method	TBLASTX:Wheat
Start	2440	End	3043
GI	none	Score	125
Exons	2440..2523, 2451..2549, 2588..2689, 2603..2695, 2854..3042, 2855..3043		

Seq. No.	41931	Seq. ID	OJ000302_23.0331.C15
Gene No.	87050	Strand	+
Start	184	End	5959
Name	OJ000302_23.0331.C15.o2.gp	Method	AAT/GAP
Start	3244	End	3848
GI	uC-osflcyp157b06b1	Score	618
Exons	3244..3287, 3359..3446, 3534..3688, 3793..3848		
GI Descrip.	'3341490/emb|CAA07610| 3.0e-55 (AJ007705) phospoenolpyruvate carboxylase [Triticum aestivum]'		

Seq. No.	41931	Seq. ID	OJ000302_23.0331.C15
Gene No.	87050	Strand	+
Start	184	End	5959
Name	OJ000302_23.0331.C15.o3.gp	Method	AAT/GAP
Start	4478	End	5959
GI	34216_1.R1084	Score	2226
Exons	4478..4791, 4927..5313, 5439..5959		

GI Descrip.	'2266947 1.0e-161 (AF008939) phosphoenolpyruvate carboxylase 1 [Gossypium hirsutum]'		
Seq. No.	41931	Seq. ID	OJ000302_23.0331.C15
Gene No.	87050	Strand	+
Start	184	End	5959
Name	OJ000302_23.0331.C15.o1.tw	Method	TBLASTX:Wheat
Start	5094	End	5480
GI	none	Score	308
Exons	5094..5294, 5095..5298, 5095..5319, 5165..5314, 5433..5480, 5434..5478		
Seq. No.	41932	Seq. ID	OJ000302_23.0331.C16
Gene No.	87051	Strand	+
Start	2149	End	5860
Name	OJ000302_23.0331.C16.o1.np	Method	AAT/NAP
Start	2149	End	5860
GI	6692691	Score	558
Exons	2149..2263, 2567..2690, 4238..4332, 4369..4562, 5002..5164, 5328..5465, 5787..5860		
GI Descrip.	(AC007592) F12K11.11 [Arabidopsis thaliana]		
Seq. No.	41932	Seq. ID	OJ000302_23.0331.C16
Gene No.	87051	Strand	+
Start	2149	End	5860
Name	OJ000302_23.0331.C16.o1.tw	Method	TBLASTX:Wheat
Start	2586	End	4429
GI	none	Score	139
Exons	2586..2675, 2587..2682, 4221..4427, 4238..4429, 4238..4363, 4239..4427		
Seq. No.	41932	Seq. ID	OJ000302_23.0331.C16
Gene No.	87051	Strand	+
Start	2149	End	5860
Name	OJ000302_23.0331.C16.o1.tm	Method	TBLASTX:Maize
Start	4987	End	5416
GI	none	Score	223
Exons	4987..5118, 4999..5148, 5001..5150, 5001..5147, 5317..5400, 5317..5415, 5324..5416		
Seq. No.	41933	Seq. ID	OJ000302_23.0331.C17
Gene No.	87052	Strand	+
Start	736	End	4155
Name	OJ000302_23.0331.C17.o1.gs	Method	GENSCAN
Start	736	End	1346
GI	none	Score	.67
Exons	736..798, 1195..1346		
Seq. No.	41933	Seq. ID	OJ000302_23.0331.C17
Gene No.	87052	Strand	+
Start	736	End	4155
Name	OJ000302_23.0331.C17.o1.np	Method	AAT/NAP
Start	1136	End	4155
GI	6692692	Score	332
Exons	1136..1316, 3070..3406, 3600..3833, 4023..4155		
GI Descrip.	(AC007592) F12K11.10 [Arabidopsis thaliana]		

Seq. No.	41933	Seq. ID	OJ000302_23.0331.C17
Gene No.	87052	Strand	+
Start	736	End	4155
Name	OJ000302_23.0331.C17.o1.tm	Method	TBLASTX:Maize
Start	1281	End	3662
GI	none	Score	67
Exons	1281..1337, 3058..3225, 3069..3224, 3210..3299, 3229..3324, 3600..3662		

Seq. No.	41933	Seq. ID	OJ000302_23.0331.C17
Gene No.	87052	Strand	+
Start	736	End	4155
Name	OJ000302_23.0331.C17.o2.gs	Method	GENSCAN
Start	3100	End	3818
GI	none	Score	.69
Exons	3100..3307, 3610..3818		

Seq. No.	41934	Seq. ID	OJ000302_23.0331.C18
Gene No.	87053	Strand	+
Start	1027	End	1632
Name	OJ000302_23.0331.C18.o1.gs	Method	GENSCAN
Start	1027	End	1127
GI	none	Score	.56
Exons	1027..1127		

Seq. No.	41934	Seq. ID	OJ000302_23.0331.C18
Gene No.	87053	Strand	+
Start	1027	End	1632
Name	OJ000302_23.0331.C18.o1.np	Method	AAT/NAP
Start	1027	End	1632
GI	6692692	Score	71
Exons	1027..1127, 1539..1632		
GI Descrip.	(AC007592) F12K11.10 [Arabidopsis thaliana]		

Seq. No.	41935	Seq. ID	OJ000302_23.0331.C19
Gene No.	87054	Strand	+
Start	750	End	1657
Name	OJ000302_23.0331.C19.o1.gs	Method	GENSCAN
Start	750	End	1657
GI	none	Score	.69
Exons	750..872, 1514..1657		

Seq. No.	41935	Seq. ID	OJ000302_23.0331.C19
Gene No.	87054	Strand	+
Start	750	End	1657
Name	OJ000302_23.0331.C19.o1.np	Method	AAT/NAP
Start	1519	End	1651
GI	6692692	Score	108
Exons	1519..1651		
GI Descrip.	(AC007592) F12K11.10 [Arabidopsis thaliana]		

Seq. No.	41936	Seq. ID	OJ000302_23.0331.C20
Gene No.	87055	Strand	+
Start	257	End	356
Name	OJ000302_23.0331.C20.o1.gp	Method	AAT/GAP
Start	257	End	356
GI	LIB3477-003-P1-K1-E9	Score	130

Exons	257..356		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	41936	Seq. ID	OJ000302_23.0331.C20
Gene No.	87056	Strand	-
Start	873	End	938
Name	OJ000302_23.0331.C20.o1.gs	Method	GENSCAN
Start	873	End	938
GI	none	Score	.71
Exons	873..938		
Seq. No.	41937	Seq. ID	OJ000302_23.0331.C22
Gene No.	87057	Strand	+
Start	1	End	4657
Name	OJ000302_23.0331.C22.o1.np	Method	AAT/NAP
Start	1	End	4657
GI	7295695	Score	50
Exons	1..20, 76..204, 4637..4657		
GI Descrip.	(AE003576) CG15637 gene product [Drosophila melanogaster]		
Seq. No.	41937	Seq. ID	OJ000302_23.0331.C22
Gene No.	87057	Strand	+
Start	1	End	4657
Name	OJ000302_23.0331.C22.o1.gs	Method	GENSCAN
Start	166	End	462
GI	none	Score	.64
Exons	166..244, 305..462		
Seq. No.	41937	Seq. ID	OJ000302_23.0331.C22
Gene No.	87057	Strand	+
Start	1	End	4657
Name	OJ000302_23.0331.C22.o2.np	Method	AAT/NAP
Start	2478	End	4562
GI	7523517	Score	182
Exons	2478..2777, 2922..3015, 4535..4562		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	41937	Seq. ID	OJ000302_23.0331.C22
Gene No.	87058	Strand	-
Start	1709	End	3542
Name	OJ000302_23.0331.C22.o2.gs	Method	GENSCAN
Start	1709	End	3542
GI	none	Score	.51
Exons	1709..1770, 2527..2633, 2710..2858, 3280..3344, 3530..3542		
Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87059	Strand	+
Start	1240	End	6102
Name	OJ000302_23.0331.C23.o1.np	Method	AAT/NAP
Start	1240	End	6102
GI	7228457	Score	3040
Exons	1240..2791, 2846..4510, 4576..6102		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o7.tw	Method	TBLASTX:Wheat
Start	1324	End	1669
GI	none	Score	78
Exons	1324..1407, 1335..1385, 1367..1669, 1408..1668		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o5.tw	Method	TBLASTX:Wheat
Start	2309	End	2749
GI	none	Score	147
Exons	2309..2491, 2317..2418, 2528..2614, 2530..2613, 2602..2739, 2603..2749		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o1.tw	Method	TBLASTX:Wheat
Start	2941	End	3397
GI	none	Score	535
Exons	2941..3396, 2942..3397		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o2.ts	Method	TBLASTX:Soybean
Start	2981	End	3346
GI	none	Score	109
Exons	2981..3205, 3212..3346		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o1.tm	Method	TBLASTX:Maize
Start	3071	End	3427
GI	none	Score	403
Exons	3071..3427, 3125..3373, 3133..3426		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o3.tm	Method	TBLASTX:Maize
Start	3455	End	3838
GI	none	Score	320
Exons	3455..3838, 3455..3592, 3622..3837		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o2.tw	Method	TBLASTX:Wheat
Start	3512	End	3936
GI	none	Score	451
Exons	3512..3934, 3512..3901, 3622..3936		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o1.ts	Method	TBLASTX:Soybean
Start	3566	End	3991
GI	none	Score	294
Exons	3566..3991, 3625..3750		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o6.tw	Method	TBLASTX:Wheat
Start	4082	End	4489
GI	none	Score	207
Exons	4082..4306, 4147..4308, 4316..4489, 4424..4489		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o2.tm	Method	TBLASTX:Maize
Start	4978	End	5283
GI	none	Score	338
Exons	4978..5283, 5016..5282		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o4.tw	Method	TBLASTX:Wheat
Start	4978	End	5361
GI	none	Score	369
Exons	4978..5361, 4986..5360		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o3.tw	Method	TBLASTX:Wheat
Start	5485	End	6093
GI	none	Score	344
Exons	5485..5937, 5499..5585, 5634..5741, 5962..6093, 5967..6080		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o4.tm	Method	TBLASTX:Maize
Start	5791	End	6057
GI	none	Score	136
Exons	5791..5973, 5974..6057		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o2.gs	Method	GENSCAN
Start	6718	End	9728
GI	none	Score	.74
Exons	6718..7235, 7333..7478, 7600..8206, 8215..8360, 8430..8488, 8560..8739, 8807..8931, 9098..9728		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o2.np	Method	AAT/NAP
Start	7599	End	9207
GI	6721561	Score	989
Exons	7599..8360, 8430..8488, 8560..8773, 9172..9207		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41938	Seq. ID	OJ000302_23.0331.C23
Gene No.	87060	Strand	-
Start	6718	End	9728
Name	OJ000302_23.0331.C23.o3.np	Method	AAT/NAP
Start	8100	End	9728
GI	6721558	Score	241
Exons	8100..8319, 8807..8931, 9629..9728		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	41939	Seq. ID	OJ000302_23.0331.C24
Gene No.	87061	Strand	+
Start	447	End	1094
Name	OJ000302_23.0331.C24.o1.np	Method	AAT/NAP
Start	447	End	1094
GI	6651245	Score	99
Exons	447..643, 819..847, 1032..1094		
GI Descrip.	(AF154003) pirin [Lycopersicon esculentum]		

Seq. No.	41939	Seq. ID	OJ000302_23.0331.C24
Gene No.	87061	Strand	+
Start	447	End	1094
Name	OJ000302_23.0331.C24.o1.gs	Method	GENSCAN
Start	477	End	1094
GI	none	Score	.5
Exons	477..524, 605..643, 1032..1094		

Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87062	Strand	+
Start	1	End	7668
Name	OJ000302_23.0331.C25.o1.np	Method	AAT/NAP
Start	1	End	1244
GI	6651245	Score	463
Exons	1..44, 540..646, 764..1244		
GI Descrip.	(AF154003) pirin [Lycopersicon esculentum]		

Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87062	Strand	+
Start	1	End	7668
Name	OJ000302_23.0331.C25.o1.gs	Method	GENSCAN
Start	579	End	7668
GI	none	Score	.52

Exons	579..736, 764..1307, 5560..5671, 5840..6946, 7040..7668		
Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87063	Strand	+
Start	8190	End	9176
Name	OJ000302_23.0331.C25.o3.np	Method	AAT/NAP
Start	8190	End	9176
GI	4680492	Score	651
Exons	8190..9176		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		
Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o2.ts	Method	TBLASTX:Soybean
Start	540	End	1241
GI	none	Score	139
Exons	540..683, 542..646, 761..913, 765..977, 1091..1240, 1092..1241		
Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o4.tm	Method	TBLASTX:Maize
Start	540	End	890
GI	none	Score	81
Exons	540..584, 540..584, 541..585, 587..646, 588..647, 761..820, 765..821, 788..889, 825..890		
Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o1.tw	Method	TBLASTX:Wheat
Start	6085	End	6483
GI	none	Score	184
Exons	6085..6483		
Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o2.tm	Method	TBLASTX:Maize
Start	7159	End	8092
GI	none	Score	285
Exons	7159..7596, 7332..7568, 7649..7951, 7958..8092		
Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o2.tw	Method	TBLASTX:Wheat
Start	7318	End	7608
GI	none	Score	176
Exons	7318..7608, 7509..7574		
Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o4.np	Method	AAT/NAP
Start	9142	End	11561

GI	6554485	Score	557
Exons	9142..9243, 10109..10559, 10739..11204, 11444..11561		
GI Descrip.	(AC012394) unknown protein [Arabidopsis thaliana] gi|6573714|gb|AAF17634.1|AC009978_10 (AC009978) T23E18.26 [Arabidopsis thaliana]		

Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o1.gp	Method	AAT/GAP
Start	10037	End	10488
GI	none	Score	714
Exons	10037..10488		

Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o1.ts	Method	TBLASTX:Soybean
Start	10091	End	11198
GI	none	Score	137
Exons	10091..10267, 10143..10256, 10151..10261, 10261..10347, 10268..10342, 10340..10399, 10421..10516, 10434..10517, 10739..10879, 10740..10868, 10882..10977, 10896..10982, 10975..11064, 10978..11172, 10979..11191, 10980..11198, 11129..11194		

Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o3.tm	Method	TBLASTX:Maize
Start	10130	End	10327
GI	none	Score	174
Exons	10130..10267, 10137..10256, 10261..10326, 10268..10327, 10271..10327		

Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o2.tc	Method	TBLASTX:Cress
Start	10143	End	10323
GI	none	Score	111
Exons	10143..10256, 10145..10267, 10151..10270, 10152..10268, 10261..10323, 10268..10321		

Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-
Start	9142	End	11561
Name	OJ000302_23.0331.C25.o1.tm	Method	TBLASTX:Maize
Start	10340	End	11194
GI	none	Score	59
Exons	10340..10414, 10341..10412, 10418..10516, 10419..10517, 10739..10822, 10740..10823, 10817..10894, 10818..10880, 10890..10982, 10891..10977, 10978..11172, 10979..11191, 10979..11194		

Seq. No.	41940	Seq. ID	OJ000302_23.0331.C25
Gene No.	87064	Strand	-

Start	9142	End	11561
Name	OJ000302_23.0331.C25.o1.tc	Method	TBLASTX:Cress
Start	10463	End	11118
GI	none	Score	126
Exons	10463..10513, 10739..10879, 10740..10895, 10882..10983, 10896..10982, 10978..11118, 10979..11116		

Seq. No.	41941	Seq. ID	OJ000302_23.0331.C26
Gene No.	87065	Strand	+
Start	1	End	2668
Name	OJ000302_23.0331.C26.o1.np	Method	AAT/NAP
Start	1	End	2600
GI	6539581	Score	730
Exons	1..97, 359..591, 648..713, 783..850, 959..1963, 2119..2600		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	41941	Seq. ID	OJ000302_23.0331.C26
Gene No.	87065	Strand	+
Start	1	End	2668
Name	OJ000302_23.0331.C26.o1.gs	Method	GENSCAN
Start	141	End	2668
GI	none	Score	.44
Exons	141..230, 328..603, 687..1056, 1177..1963, 2122..2162, 2208..2668		

Seq. No.	41941	Seq. ID	OJ000302_23.0331.C26
Gene No.	87065	Strand	+
Start	1	End	2668
Name	OJ000302_23.0331.C26.o2.tw	Method	TBLASTX:Wheat
Start	1023	End	1340
GI	none	Score	228
Exons	1023..1340		

Seq. No.	41941	Seq. ID	OJ000302_23.0331.C26
Gene No.	87065	Strand	+
Start	1	End	2668
Name	OJ000302_23.0331.C26.o1.ts	Method	TBLASTX:Soybean
Start	1236	End	1781
GI	none	Score	413
Exons	1236..1781, 1236..1454, 1280..1525		

Seq. No.	41941	Seq. ID	OJ000302_23.0331.C26
Gene No.	87065	Strand	+
Start	1	End	2668
Name	OJ000302_23.0331.C26.o1.tm	Method	TBLASTX:Maize
Start	1278	End	1913
GI	none	Score	232
Exons	1278..1583, 1314..1460, 1373..1564, 1605..1913		

Seq. No.	41941	Seq. ID	OJ000302_23.0331.C26
Gene No.	87065	Strand	+
Start	1	End	2668
Name	OJ000302_23.0331.C26.o1.tw	Method	TBLASTX:Wheat
Start	1409	End	1841
GI	none	Score	269
Exons	1409..1570, 1410..1841		

Seq. No.	41942	Seq. ID	OJ000302_23.0331.C27
Gene No.	87066	Strand	-
Start	343	End	4600
Name	OJ000302_23.0331.C27.o1.gs	Method	GENSCAN
Start	343	End	4600
GI	none	Score	.9
Exons	343..474, 708..806, 1201..1201, 1269..1439, 1573..2318, 2424..2648, 2739..2906, 3224..3875, 4485..4600		

Seq. No.	41943	Seq. ID	OJ000302_23.0331.C28
Gene No.	87067	Strand	-
Start	345	End	1202
Name	OJ000302_23.0331.C28.o1.gs	Method	GENSCAN
Start	345	End	1202
GI	none	Score	.73
Exons	345..418, 1037..1202		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87068	Strand	+
Start	773	End	2251
Name	OJ000302_23.0331.C29.o1.gs	Method	GENSCAN
Start	773	End	2251
GI	none	Score	.59
Exons	773..782, 2049..2251		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87069	Strand	+
Start	7021	End	7826
Name	OJ000302_23.0331.C29.o2.gs	Method	GENSCAN
Start	7021	End	7826
GI	none	Score	.65
Exons	7021..7299, 7815..7826		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87070	Strand	-
Start	8123	End	8867
Name	OJ000302_23.0331.C29.o3.gs	Method	GENSCAN
Start	8123	End	8867
GI	none	Score	1
Exons	8123..8277, 8636..8867		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87071	Strand	-
Start	11109	End	11301
Name	OJ000302_23.0331.C29.o2.tm	Method	TBLASTX:Maize
Start	4973	End	5280
GI	none	Score	329
Exons	4973..5158, 4987..5253, 4989..5216, 5005..5280		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87071	Strand	-
Start	11109	End	11301
Name	OJ000302_23.0331.C29.o2.ts	Method	TBLASTX:Soybean
Start	4998	End	5410
GI	none	Score	184
Exons	4998..5204, 5008..5256, 5225..5410		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87071	Strand	-
Start	11109	End	11301
Name	OJ000302_23.0331.C29.o2.tw	Method	TBLASTX:Wheat
Start	5032	End	5584
GI	none	Score	155
Exons	5032..5253, 5252..5407, 5486..5584		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87071	Strand	-
Start	11109	End	11301
Name	OJ000302_23.0331.C29.o1.tm	Method	TBLASTX:Maize
Start	5482	End	5953
GI	none	Score	314
Exons	5482..5670, 5483..5854, 5484..5699, 5504..5701, 5867..5953		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87071	Strand	-
Start	11109	End	11301
Name	OJ000302_23.0331.C29.o1.tw	Method	TBLASTX:Wheat
Start	5678	End	6048
GI	none	Score	347
Exons	5678..6046, 5923..6048		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87071	Strand	-
Start	11109	End	11301
Name	OJ000302_23.0331.C29.o3.tm	Method	TBLASTX:Maize
Start	6124	End	6415
GI	none	Score	177
Exons	6124..6237, 6125..6322, 6281..6313, 6317..6415		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87071	Strand	-
Start	11109	End	11301
Name	OJ000302_23.0331.C29.o1.ts	Method	TBLASTX:Soybean
Start	8123	End	8277
GI	none	Score	193
Exons	8123..8275, 8124..8276, 8125..8277		

Seq. No.	41944	Seq. ID	OJ000302_23.0331.C29
Gene No.	87071	Strand	-
Start	11109	End	11301
Name	OJ000302_23.0331.C29.o2.np	Method	AAT/NAP
Start	11109	End	11301
GI	6002799	Score	104
Exons	11109..11301		
GI Descrip.	(AF149815) unknown [Oryza sativa]		

Seq. No.	41945	Seq. ID	OJ000302_23.0331.C30
Gene No.	87072	Strand	+
Start	224	End	2471
Name	OJ000302_23.0331.C30.o1.np	Method	AAT/NAP
Start	224	End	2471
GI	7488078	Score	38
Exons	224..432, 1273..1490, 1550..1678, 2391..2471		

GI Descrip. probable coll wall protein - Arabidopsis thaliana gi|2244874|emb|CAB10295.1| (Z97338) cell wall protein like [Arabidopsis thaliana] gi|7268262|emb|CAB78558.1| (AL161540) cell wall protein like [Arabidopsis thaliana]

Seq. No.	41945	Seq. ID	OJ000302_23.0331.C30
Gene No.	87072	Strand	+
Start	224	End	2471
Name	OJ000302_23.0331.C30.o1.gs	Method	GENSCAN
Start	324	End	1726
GI	none	Score	.68
Exons	324..545, 1248..1340, 1597..1726		

Seq. No.	41946	Seq. ID	OJ000302_23.0331.C31
Gene No.	87073	Strand	+
Start	538	End	4710
Name	OJ000302_23.0331.C31.o1.np	Method	AAT/NAP
Start	538	End	4710
GI	4680203	Score	1541
Exons	538..2192, 2223..2286, 2443..2670, 2947..3687, 4690..4710		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41946	Seq. ID	OJ000302_23.0331.C31
Gene No.	87073	Strand	+
Start	538	End	4710
Name	OJ000302_23.0331.C31.o3.tw	Method	TBLASTX:Wheat
Start	1026	End	1494
GI	none	Score	196
Exons	1026..1346, 1028..1324, 1405..1494		

Seq. No.	41946	Seq. ID	OJ000302_23.0331.C31
Gene No.	87073	Strand	+
Start	538	End	4710
Name	OJ000302_23.0331.C31.o1.ts	Method	TBLASTX:Soybean
Start	1194	End	1638
GI	none	Score	112
Exons	1194..1316, 1371..1637, 1405..1638		

Seq. No.	41946	Seq. ID	OJ000302_23.0331.C31
Gene No.	87073	Strand	+
Start	538	End	4710
Name	OJ000302_23.0331.C31.o2.tc	Method	TBLASTX:Cress
Start	1407	End	1719
GI	none	Score	253
Exons	1407..1523, 1408..1719, 1563..1661		

Seq. No.	41946	Seq. ID	OJ000302_23.0331.C31
Gene No.	87073	Strand	+
Start	538	End	4710
Name	OJ000302_23.0331.C31.o2.tm	Method	TBLASTX:Maize
Start	1482	End	1699
GI	none	Score	270
Exons	1482..1688, 1492..1698, 1492..1698, 1493..1699		

Seq. No.	41946	Seq. ID	OJ000302_23.0331.C31
Gene No.	87073	Strand	+
Start	538	End	4710

Name	OJ000302_23.0331.C31.o2.tw	Method	TBLASTX:Wheat
Start	1504	End	1806
GI	none	Score	302
Exons	1504..1806, 1512..1778		

Seq. No.	41946	Seq. ID	OJ000302_23.0331.C31
Gene No.	87073	Strand	+
Start	538	End	4710
Name	OJ000302_23.0331.C31.o1.tm	Method	TBLASTX:Maize
Start	2536	End	2919
GI	none	Score	56
Exons	2536..2604, 2604..2834, 2605..2919, 2613..2918		

Seq. No.	41946	Seq. ID	OJ000302_23.0331.C31
Gene No.	87073	Strand	+
Start	538	End	4710
Name	OJ000302_23.0331.C31.o1.tw	Method	TBLASTX:Wheat
Start	2560	End	3696
GI	none	Score	523
Exons	2560..3282, 2610..2744, 2793..3092, 3147..3248, 3295..3495, 3351..3467, 3472..3561, 3492..3590, 3592..3696		

Seq. No.	41946	Seq. ID	OJ000302_23.0331.C31
Gene No.	87073	Strand	+
Start	538	End	4710
Name	OJ000302_23.0331.C31.o1.tc	Method	TBLASTX:Cress
Start	2851	End	3276
GI	none	Score	280
Exons	2851..3276, 2859..3092, 3147..3248		

Seq. No.	41946	Seq. ID	OJ000302_23.0331.C31
Gene No.	87073	Strand	+
Start	538	End	4710
Name	OJ000302_23.0331.C31.o3.tm	Method	TBLASTX:Maize
Start	3169	End	3461
GI	none	Score	165
Exons	3169..3345, 3186..3317, 3351..3461, 3352..3459		

Seq. No.	41947	Seq. ID	OJ000302_23.0331.C32
Gene No.	87074	Strand	+
Start	762	End	896
Name	OJ000302_23.0331.C32.o1.gs	Method	GENSCAN
Start	762	End	896
GI	none	Score	.53
Exons	762..896		

Seq. No.	41948	Seq. ID	OJ000302_23.0331.C33
Gene No.	87075	Strand	+
Start	72	End	1634
Name	OJ000302_23.0331.C33.o1.gs	Method	GENSCAN
Start	72	End	1634
GI	none	Score	.51
Exons	72..602, 927..940, 1569..1634		

Seq. No.	41949	Seq. ID	OJ000302_23.0331.C34
Gene No.	87076	Strand	+
Start	1837	End	2529

Name	OJ000302_23.0331.C34.o1.gs	Method	GENSCAN
Start	1837	End	2529
GI	none	Score	.69
Exons	1837..1990, 2487..2529		

Seq. No.	41950	Seq. ID	OJ000302_15.0331.C2
Gene No.	87077	Strand	+
Start	3797	End	4152
Name	OJ000302_15.0331.C2.o1.tm	Method	TBLASTX:Maize
Start	3787	End	4152
GI	none	Score	59
Exons	3787..3870, 3788..3859, 3894..4037, 3898..4038, 3910..4038, 3911..4042, 3911..4039, 4101..4151, 4101..4136, 4102..4152		

Seq. No.	41950	Seq. ID	OJ000302_15.0331.C2
Gene No.	87077	Strand	+
Start	3797	End	4152
Name	OJ000302_15.0331.C2.o2.gs	Method	GENSCAN
Start	3797	End	4048
GI	none	Score	.95
Exons	3797..4048		

Seq. No.	41950	Seq. ID	OJ000302_15.0331.C2
Gene No.	87077	Strand	+
Start	3797	End	4152
Name	OJ000302_15.0331.C2.o1.np	Method	AAT/NAP
Start	3800	End	4039
GI	585960	Score	220
Exons	3800..4039		
GI Descrip.	PROTEIN TRANSPORT PROTEIN SEC61 BETA SUBUNIT gi|433665|emb|CAA81412| (Z26753) Sec61 beta-subunit homolog [Arabidopsis thaliana] gi|4895244|gb|AAD32829.1|AC007659_11 (AC007659) putative transport protein SEC61 beta-subunit [Arabidopsis thaliana]		

Seq. No.	41950	Seq. ID	OJ000302_15.0331.C2
Gene No.	87077	Strand	+
Start	3797	End	4152
Name	OJ000302_15.0331.C2.o1.tw	Method	TBLASTX:Wheat
Start	3903	End	4036
GI	none	Score	200
Exons	3903..4031, 3904..4035, 3910..4035, 3911..4036		

Seq. No.	41951	Seq. ID	OJ000302_15.0331.C3
Gene No.	87078	Strand	-
Start	1	End	4204
Name	OJ000302_15.0331.C3.o1.np	Method	AAT/NAP
Start	1	End	4204
GI	5777618	Score	233
Exons	1..24, 1430..1835, 1863..1959, 2482..2616, 3815..4204		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	41951	Seq. ID	OJ000302_15.0331.C3
Gene No.	87078	Strand	-
Start	1	End	4204
Name	OJ000302_15.0331.C3.o1.gs	Method	GENSCAN
Start	681	End	4204

GI	none	Score	.68
Exons	681..980, 1435..1959, 2461..2705, 3955..4204		
Seq. No.	41952	Seq. ID	OJ000302_15.0331.C5
Gene No.	87079	Strand	
Start	4193	End	4345
Name	OJ000302_15.0331.C5.o1.tm	Method	TBLASTX:Maize
Start	4193	End	4345
GI	none	Score	183
Exons	4193..4345, 4200..4337, 4223..4339		
Seq. No.	41953	Seq. ID	OJ000302_15.0331.C6
Gene No.	87080	Strand	+
Start	142	End	4887
Name	OJ000302_15.0331.C6.o1.gs	Method	GENSCAN
Start	142	End	4887
GI	none	Score	.54
Exons	142..402, 4028..4389, 4479..4887		
Seq. No.	41954	Seq. ID	OJ000302_15.0331.C7
Gene No.	87081	Strand	+
Start	1960	End	2897
Name	OJ000302_15.0331.C7.o1.gs	Method	GENSCAN
Start	1960	End	2897
GI	none	Score	.87
Exons	1960..2897		
Seq. No.	41955	Seq. ID	OJ000302_15.0331.C8
Gene No.	87082	Strand	+
Start	56	End	4040
Name	OJ000302_15.0331.C8.o1.gs	Method	GENSCAN
Start	56	End	4040
GI	none	Score	.47
Exons	56..965, 3170..3310, 3694..4040		
Seq. No.	41955	Seq. ID	OJ000302_15.0331.C8
Gene No.	87082	Strand	+
Start	56	End	4040
Name	OJ000302_15.0331.C8.o3.tm	Method	TBLASTX:Maize
Start	833	End	1008
GI	none	Score	253
Exons	833..1006, 833..1006, 834..1007, 856..1008, 856..1008		
Seq. No.	41955	Seq. ID	OJ000302_15.0331.C8
Gene No.	87082	Strand	+
Start	56	End	4040
Name	OJ000302_15.0331.C8.o1.tm	Method	TBLASTX:Maize
Start	2961	End	3311
GI	none	Score	85
Exons	2961..3059, 2992..3087, 2996..3058, 3057..3305, 3058..3306, 3064..3309, 3065..3310, 3066..3311		
Seq. No.	41955	Seq. ID	OJ000302_15.0331.C8
Gene No.	87082	Strand	+
Start	56	End	4040
Name	OJ000302_15.0331.C8.o1.gp	Method	AAT/GAP
Start	3024	End	3847

GI	none	Score	830
Exons	3024..3310, 3694..3847		

Seq. No.	41955	Seq. ID	OJ000302_15.0331.C8
Gene No.	87082	Strand	+
Start	56	End	4040
Name	OJ000302_15.0331.C8.o2.tm	Method	TBLASTX:Maize
Start	3735	End	4033
GI	none	Score	365
Exons	3735..4022, 3737..4027, 3737..4033		

Seq. No.	41956	Seq. ID	OJ000302_15.0331.C9
Gene No.	87083	Strand	+
Start	1	End	3461
Name	OJ000302_15.0331.C9.o1.np	Method	AAT/NAP
Start	1	End	3461
GI	3785977	Score	142
Exons	1..34, 1666..1827, 2670..2755, 3373..3461		
GI Descrip.	(AC005560) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	41956	Seq. ID	OJ000302_15.0331.C9
Gene No.	87083	Strand	+
Start	1	End	3461
Name	OJ000302_15.0331.C9.o1.gs	Method	GENSCAN
Start	1626	End	2755
GI	none	Score	.85
Exons	1626..1802, 2504..2576, 2688..2755		

Seq. No.	41957	Seq. ID	OJ000302_15.0331.C10
Gene No.	87084	Strand	+
Start	1	End	2024
Name	OJ000302_15.0331.C10.o1.np	Method	AAT/NAP
Start	1	End	2024
GI	3785977	Score	803
Exons	1..36, 114..318, 404..571, 905..1072, 1258..1448, 1859..2024		
GI Descrip.	(AC005560) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	41957	Seq. ID	OJ000302_15.0331.C10
Gene No.	87084	Strand	+
Start	1	End	2024
Name	OJ000302_15.0331.C10.o2.tc	Method	TBLASTX:Cress
Start	109	End	698
GI	none	Score	194
Exons	109..321, 211..321, 396..491, 400..600, 403..573, 404..574, 681..698		

Seq. No.	41957	Seq. ID	OJ000302_15.0331.C10
Gene No.	87084	Strand	+
Start	1	End	2024
Name	OJ000302_15.0331.C10.o1.ts	Method	TBLASTX:Soybean
Start	172	End	994
GI	none	Score	154
Exons	172..318, 180..344, 243..323, 403..453, 403..573, 404..574, 478..576, 899..994, 902..994		

Seq. No.	41957	Seq. ID	OJ000302_15.0331.C10
Gene No.	87084	Strand	+
Start	1	End	2024
Name	OJ000302_15.0331.C10.o1.gs	Method	GENSCAN
Start	256	End	1968
GI	none	Score	.77
Exons	256..338, 868..1072, 1258..1448, 1859..1968		

Seq. No.	41957	Seq. ID	OJ000302_15.0331.C10
Gene No.	87084	Strand	+
Start	1	End	2024
Name	OJ000302_15.0331.C10.o1.tm	Method	TBLASTX:Maize
Start	491	End	1317
GI	none	Score	102
Exons	491..574, 493..573, 899..1072, 904..1044, 1264..1317		

Seq. No.	41957	Seq. ID	OJ000302_15.0331.C10
Gene No.	87084	Strand	+
Start	1	End	2024
Name	OJ000302_15.0331.C10.o1.tc	Method	TBLASTX:Cress
Start	902	End	1449
GI	none	Score	130
Exons	902..1072, 904..1044, 1263..1445, 1264..1446, 1279..1449		

Seq. No.	41957	Seq. ID	OJ000302_15.0331.C10
Gene No.	87084	Strand	+
Start	1	End	2024
Name	OJ000302_15.0331.C10.o2.ts	Method	TBLASTX:Soybean
Start	1255	End	1985
GI	none	Score	258
Exons	1255..1440, 1263..1439, 1285..1449, 1317..1442, 1875..1985		

Seq. No.	41958	Seq. ID	OJ000302_15.0331.C11
Gene No.	87085	Strand	+
Start	769	End	1831
Name	OJ000302_15.0331.C11.o1.gs	Method	GENSCAN
Start	769	End	1831
GI	none	Score	.84
Exons	769..806, 1693..1831		

Seq. No.	41958	Seq. ID	OJ000302_15.0331.C11
Gene No.	87086	Strand	+
Start	5555	End	5674
Name	OJ000302_15.0331.C11.o1.np	Method	AAT/NAP
Start	5555	End	5674
GI	6815099	Score	65
Exons	5555..5674		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	41958	Seq. ID	OJ000302_15.0331.C11
Gene No.	87087	Strand	-
Start	2705	End	3634
Name	OJ000302_15.0331.C11.o2.gs	Method	GENSCAN
Start	2705	End	3634
GI	none	Score	.85
Exons	2705..2860, 3305..3634		

Seq. No.	41959	Seq. ID	OJ000302_15.0331.C12
Gene No.	87088	Strand	+
Start	2856	End	3167
Name	OJ000302_15.0331.C12.o1.gs	Method	GENSCAN
Start	2856	End	3167
GI	none	Score	.45
Exons	2856..3167		

Seq. No.	41960	Seq. ID	OJ000302_15.0331.C13
Gene No.	87089	Strand	+
Start	349	End	588
Name	OJ000302_15.0331.C13.o1.gs	Method	GENSCAN
Start	349	End	588
GI	none	Score	.97
Exons	349..588		

Seq. No.	41961	Seq. ID	OJ000302_15.0331.C14
Gene No.	87090	Strand	+
Start	7829	End	8160
Name	OJ000302_15.0331.C14.o1.gp	Method	AAT/GAP
Start	7829	End	8160
GI	none	Score	636
Exons	7829..8160		

Seq. No.	41961	Seq. ID	OJ000302_15.0331.C14
Gene No.	87091	Strand	-
Start	3288	End	8344
Name	OJ000302_15.0331.C14.o1.gs	Method	GENSCAN
Start	3288	End	8344
GI	none	Score	.79
Exons	3288..3965, 7118..7524, 8013..8198, 8257..8344		

Seq. No.	41962	Seq. ID	OJ000302_15.0331.C15
Gene No.	87092	Strand	+
Start	85	End	632
Name	OJ000302_15.0331.C15.o1.gs	Method	GENSCAN
Start	85	End	632
GI	none	Score	.62
Exons	85..104, 230..632		

Seq. No.	41963	Seq. ID	OJ000302_15.0331.C16
Gene No.	87093	Strand	-
Start	85	End	483
Name	OJ000302_15.0331.C16.o1.gs	Method	GENSCAN
Start	85	End	483
GI	none	Score	.47
Exons	85..347, 433..483		

Seq. No.	41964	Seq. ID	OJ000302_15.0331.C17
Gene No.	87094	Strand	+
Start	1165	End	1782
Name	OJ000302_15.0331.C17.o1.gs	Method	GENSCAN
Start	1165	End	1782
GI	none	Score	.74
Exons	1165..1308, 1717..1782		

Seq. No.	41964	Seq. ID	OJ000302_15.0331.C17

Gene No.	87095	Strand	+
Start	3647	End	4192
Name	OJ000302_15.0331.C17.o2.np	Method	AAT/NAP
Start	3635	End	4189
GI	6227011	Score	399
Exons	3635..4189		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	41964	Seq. ID	OJ000302_15.0331.C17
Gene No.	87095	Strand	+
Start	3647	End	4192
Name	OJ000302_15.0331.C17.o2.gs	Method	GENSCAN
Start	3647	End	4192
GI	none	Score	.59
Exons	3647..4192		

Seq. No.	41964	Seq. ID	OJ000302_15.0331.C17
Gene No.	87096	Strand	-
Start	1302	End	4282
Name	OJ000302_15.0331.C17.o1.np	Method	AAT/NAP
Start	1302	End	4282
GI	5852093	Score	52
Exons	1302..1331, 1821..1898, 3049..3163, 4211..4282		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	41964	Seq. ID	OJ000302_15.0331.C17
Gene No.	87096	Strand	-
Start	1302	End	4282
Name	OJ000302_15.0331.C17.o1.tm	Method	TBLASTX:Maize
Start	3760	End	4183
GI	none	Score	413
Exons	3760..4173, 3761..4183		

Seq. No.	41964	Seq. ID	OJ000302_15.0331.C17
Gene No.	87096	Strand	-
Start	1302	End	4282
Name	OJ000302_15.0331.C17.o1.tc	Method	TBLASTX:Cress
Start	3761	End	4189
GI	none	Score	66
Exons	3761..3814, 3836..3910, 3908..4012, 3995..4189, 4000..4179		

Seq. No.	41964	Seq. ID	OJ000302_15.0331.C17
Gene No.	87096	Strand	-
Start	1302	End	4282
Name	OJ000302_15.0331.C17.o1.ts	Method	TBLASTX:Soybean
Start	3767	End	4189
GI	none	Score	110
Exons	3767..3898, 3775..3897, 3904..4035, 3908..4054, 4051..4188, 4058..4189		

Seq. No.	41965	Seq. ID	OJ000302_15.0331.C18
Gene No.	87097	Strand	+
Start	6953	End	7085
Name	OJ000302_15.0331.C18.o2.np	Method	AAT/NAP
Start	6953	End	7085
GI	6815099	Score	84
Exons	6953..7085		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	41965	Seq. ID	OJ000302_15.0331.C18
Gene No.	87098	Strand	-
Start	1755	End	6572
Name	OJ000302_15.0331.C18.o1.np	Method	AAT/NAP
Start	1752	End	6465
GI	3413473	Score	424
Exons	1752..1823, 2108..2249, 2327..2469, 2955..3092, 4431..4568, 4664..4746, 4862..4954, 6267..6465		

GI Descrip. (AJ006308) tyrosine phosphatase 1 [Glycine max]

Seq. No.	41965	Seq. ID	OJ000302_15.0331.C18
Gene No.	87098	Strand	-
Start	1755	End	6572
Name	OJ000302_15.0331.C18.o1.tm	Method	TBLASTX:Maize
Start	1752	End	2469
GI	none	Score	73
Exons	1752..1826, 1753..1821, 2071..2253, 2106..2255, 2107..2253, 2108..2254, 2327..2464, 2329..2466, 2329..2469		

Seq. No.	41965	Seq. ID	OJ000302_15.0331.C18
Gene No.	87098	Strand	-
Start	1755	End	6572
Name	OJ000302_15.0331.C18.o1.gs	Method	GENSCAN
Start	1755	End	6572
GI	none	Score	.83
Exons	1755..1823, 2108..2249, 2327..2469, 2958..3083, 3529..3755, 3978..4041, 4431..4568, 4664..4746, 4862..5017, 6271..6572		

Seq. No.	41965	Seq. ID	OJ000302_15.0331.C18
Gene No.	87098	Strand	-
Start	1755	End	6572
Name	OJ000302_15.0331.C18.o1.ts	Method	TBLASTX:Soybean
Start	1758	End	4550
GI	none	Score	78
Exons	1758..1826, 2042..2254, 2093..2254, 2118..2255, 2327..2359, 2329..2346, 2356..2454, 2357..2455, 4446..4550, 4452..4541		

Seq. No.	41965	Seq. ID	OJ000302_15.0331.C18
Gene No.	87098	Strand	-
Start	1755	End	6572
Name	OJ000302_15.0331.C18.o1.tc	Method	TBLASTX:Cress
Start	1773	End	4574
GI	none	Score	82
Exons	1773..1820, 2111..2278, 2118..2255, 2356..2454, 2375..2455, 4446..4574		

Seq. No.	41965	Seq. ID	OJ000302_15.0331.C18
Gene No.	87098	Strand	-
Start	1755	End	6572
Name	OJ000302_15.0331.C18.o2.tm	Method	TBLASTX:Maize
Start	2974	End	4562
GI	none	Score	88
Exons	2974..3081, 2976..3086, 2978..3085, 4416..4562, 4431..4562		

Seq. No.	41966	Seq. ID	OJ000302_15.0331.C19

Gene No.	87099	Strand	-
Start	1114	End	1317
Name	OJ000302_15.0331.C19.o1.gs	Method	GENSCAN
Start	1114	End	1317
GI	none	Score	.98
Exons	1114..1317		

Seq. No.	41967	Seq. ID	OJ000302_15.0331.C20
Gene No.	87100	Strand	-
Start	104	End	1524
Name	OJ000302_15.0331.C20.o1.gs	Method	GENSCAN
Start	104	End	1021
GI	none	Score	.42
Exons	104..230, 550..1021		

Seq. No.	41967	Seq. ID	OJ000302_15.0331.C20
Gene No.	87100	Strand	-
Start	104	End	1524
Name	OJ000302_15.0331.C20.o1.np	Method	AAT/NAP
Start	104	End	1524
GI	7446175	Score	149
Exons	104..230, 550..607, 1497..1524		
GI Descrip.	transforming protein myb homolog F28A21.180 - Arabidopsis thaliana gi|4539396|emb|CAB37462.1| (AL035526) myb-like protein [Arabidopsis thaliana] gi|5823339|gb|AAD53108.1|AF176003_1 (AF176003) putative transcription factor [Arabidopsis thaliana] gi|7268671|emb|CAB78879.1| (AL161549) myb-like protein [Arabidopsis thaliana]		

Seq. No.	41968	Seq. ID	OJ000302_15.0331.C25
Gene No.	87101	Strand	+
Start	742	End	1755
Name	OJ000302_15.0331.C25.o1.gs	Method	GENSCAN
Start	742	End	1755
GI	none	Score	.96
Exons	742..882, 1696..1755		

Seq. No.	41968	Seq. ID	OJ000302_15.0331.C25
Gene No.	87102	Strand	+
Start	3729	End	5749
Name	OJ000302_15.0331.C25.o2.gs	Method	GENSCAN
Start	3729	End	5686
GI	none	Score	.65
Exons	3729..3803, 5522..5686		

Seq. No.	41968	Seq. ID	OJ000302_15.0331.C25
Gene No.	87102	Strand	+
Start	3729	End	5749
Name	OJ000302_15.0331.C25.o1.gp	Method	AAT/GAP
Start	5534	End	5749
GI	uC-osflcyp006d12b1	Score	399
Exons	5534..5749		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	41969	Seq. ID	OJ000302_15.0331.C26
Gene No.	87103	Strand	-

Start	179	End	349
Name	OJ000302_15.0331.C26.o1.gp	Method	AAT/GAP
Start	179	End	349
GI	none	Score	251
Exons	179..349		

Seq. No.	41970	Seq. ID	OJ000302_15.0331.C28
Gene No.	87104	Strand	+
Start	362	End	442
Name	OJ000302_15.0331.C28.o1.gs	Method	GENSCAN
Start	362	End	442
GI	none	Score	.83
Exons	362..442		

Seq. No.	41970	Seq. ID	OJ000302_15.0331.C28
Gene No.	87105	Strand	-
Start	625	End	864
Name	OJ000302_15.0331.C28.o1.np	Method	AAT/NAP
Start	625	End	864
GI	6907088	Score	143
Exons	625..864		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41971	Seq. ID	OJ000302_17.0331.C1
Gene No.	87106	Strand	-
Start	33	End	87
Name	OJ000302_17.0331.C1.o1.gs	Method	GENSCAN
Start	33	End	87
GI	none	Score	.86
Exons	33..87		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87107	Strand	+
Start	5998	End	9444
Name	OJ000302_17.0331.C3.o2.gp	Method	AAT/GAP
Start	5998	End	7524
GI	2310235	Score	289
Exons	5998..6035, 6448..6587, 7464..7524		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87107	Strand	+
Start	5998	End	9444
Name	OJ000302_17.0331.C3.o3.np	Method	AAT/NAP
Start	6448	End	9444
GI	4680203	Score	2963
Exons	6448..8136, 8245..9444		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87108	Strand	-
Start	1	End	4122
Name	OJ000302_17.0331.C3.o1.np	Method	AAT/NAP
Start	1	End	1063
GI	4680203	Score	531
Exons	1..1063		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87108	Strand	-
Start	1	End	4122
Name	OJ000302_17.0331.C3.o2.np	Method	AAT/NAP
Start	1	End	2328
GI	4680203	Score	536
Exons	1..1063, 2298..2328		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87108	Strand	-
Start	1	End	4122
Name	OJ000302_17.0331.C3.o1.gs	Method	GENSCAN
Start	14	End	4122
GI	none	Score	.42
Exons	14..453, 612..1063, 2718..2870, 3380..3522, 3965..4122		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87109	Strand	-
Start	4180	End	7943
Name	OJ000302_17.0331.C3.o1.tm	Method	TBLASTX:Maize
Start	13	End	7871
GI	none	Score	67
Exons	13..144, 13..138, 7414..7542, 7426..7548, 7542..7667, 7548..7667, 7677..7871		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87109	Strand	-
Start	4180	End	7943
Name	OJ000302_17.0331.C3.o2.tw	Method	TBLASTX:Wheat
Start	13	End	7837
GI	none	Score	67
Exons	13..30, 37..141, 44..151, 131..187, 139..195, 7369..7422, 7377..7421, 7423..7527, 7434..7523, 7541..7627, 7542..7628, 7608..7832, 7628..7837, 7629..7832, 7631..7837		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87109	Strand	-
Start	4180	End	7943
Name	OJ000302_17.0331.C3.o2.tc	Method	TBLASTX:Cress
Start	16	End	7548
GI	none	Score	64
Exons	16..324, 80..136, 176..328, 7233..7385, 7240..7548, 7425..7520		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87109	Strand	-
Start	4180	End	7943
Name	OJ000302_17.0331.C3.o1.ts	Method	TBLASTX:Soybean
Start	64	End	7500
GI	none	Score	96
Exons	64..324, 73..297, 83..319, 7071..7154, 7072..7146, 7147..7209, 7204..7500, 7236..7487		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87109	Strand	-

Start	4180	End	7943
Name	OJ000302_17.0331.C3.o1.gp	Method	AAT/GAP
Start	4180	End	4238
GI	2312838	Score	63
Exons	4180..4238		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87109	Strand	-
Start	4180	End	7943
Name	OJ000302_17.0331.C3.o3.tw	Method	TBLASTX:Wheat
Start	6794	End	7142
GI	none	Score	48
Exons	6794..6892, 6799..6906, 6897..7139, 6898..7140, 6900..7142		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87109	Strand	-
Start	4180	End	7943
Name	OJ000302_17.0331.C3.o2.ts	Method	TBLASTX:Soybean
Start	7701	End	7943
GI	none	Score	216
Exons	7701..7943		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87110	Strand	
Start	8118	End	9384
Name	OJ000302_17.0331.C3.o1.tw	Method	TBLASTX:Wheat
Start	8118	End	9384
GI	none	Score	81
Exons	8118..8975, 8120..8347, 8122..8991, 8986..9030, 8989..9030, 9033..9131, 9037..9096, 9075..9215, 9076..9216, 9228..9281, 9229..9309, 9298..9384, 9324..9380		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87110	Strand	
Start	8118	End	9384
Name	OJ000302_17.0331.C3.o2.tm	Method	TBLASTX:Maize
Start	8122	End	8430
GI	none	Score	284
Exons	8122..8430, 8127..8402, 8200..8430		

Seq. No.	41972	Seq. ID	OJ000302_17.0331.C3
Gene No.	87110	Strand	
Start	8118	End	9384
Name	OJ000302_17.0331.C3.o1.tc	Method	TBLASTX:Cress
Start	8357	End	8808
GI	none	Score	165
Exons	8357..8512, 8361..8753, 8361..8804, 8365..8808, 8371..8808		

Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87111	Strand	+
Start	120	End	356
Name	OJ000302_17.0331.C4.o1.gs	Method	GENSCAN
Start	120	End	356
GI	none	Score	.95
Exons	120..356		

Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87112	Strand	+
Start	1419	End	5119
Name	OJ000302_17.0331.C4.o1.np	Method	AAT/NAP
Start	1404	End	5098
GI	4680204	Score	952
Exons	1404..2840, 2936..4032, 4128..4294, 4391..4610, 4961..5098		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87112	Strand	+
Start	1419	End	5119
Name	OJ000302_17.0331.C4.o2.gs	Method	GENSCAN
Start	1419	End	2025
GI	none	Score	.66
Exons	1419..1793, 1834..2025		

Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87112	Strand	+
Start	1419	End	5119
Name	OJ000302_17.0331.C4.o3.gs	Method	GENSCAN
Start	2175	End	5119
GI	none	Score	.84
Exons	2175..2840, 2936..4011, 4121..4294, 4391..4501, 4586..4658, 4753..4851, 4931..5119		

Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87113	Strand	+
Start	12327	End	13193
Name	OJ000302_17.0331.C4.o5.gs	Method	GENSCAN
Start	12327	End	13193
GI	none	Score	.56
Exons	12327..12482, 12894..13100, 13182..13193		

Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87114	Strand	+
Start	15230	End	15634
Name	OJ000302_17.0331.C4.o2.gp	Method	AAT/GAP
Start	15230	End	15634
GI	3762862	Score	763
Exons	15230..15634		

Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87115	Strand	+
Start	17150	End	17840
Name	OJ000302_17.0331.C4.o3.gp	Method	AAT/GAP
Start	17150	End	17840
GI	3762863	Score	1207
Exons	17150..17840		

Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87116	Strand	-
Start	1	End	26302
Name	OJ000302_17.0331.C4.o4.np	Method	AAT/NAP
Start	1	End	26302
GI	4680204	Score	42

Exons	1..53, 10198..10429, 12434..12486, 21786..21887, 26280..26302		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87116	Strand	-
Start	1	End	26302
Name	OJ000302_17.0331.C4.o1.tw	Method	TBLASTX:Wheat
Start	2034	End	2450
GI	none	Score	62
Exons	2034..2198, 2047..2187, 2049..2285, 2150..2317, 2280..2450		
Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87116	Strand	-
Start	1	End	26302
Name	OJ000302_17.0331.C4.o3.np	Method	AAT/NAP
Start	5507	End	8303
GI	7106528	Score	103
Exons	5507..5625, 8278..8303		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87116	Strand	-
Start	1	End	26302
Name	OJ000302_17.0331.C4.o1.gp	Method	AAT/GAP
Start	5530	End	5675
GI	21474_1.R1084	Score	227
Exons	5530..5675		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87116	Strand	-
Start	1	End	26302
Name	OJ000302_17.0331.C4.o4.gs	Method	GENSCAN
Start	7100	End	10572
GI	none	Score	.75
Exons	7100..7116, 7554..7717, 7932..8054, 9413..9458, 9964..10115, 10226..10572		
Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87116	Strand	-
Start	1	End	26302
Name	OJ000302_17.0331.C4.o6.gs	Method	GENSCAN
Start	13559	End	15354
GI	none	Score	.8
Exons	13559..13659, 14969..15098, 15289..15354		
Seq. No.	41973	Seq. ID	OJ000302_17.0331.C4
Gene No.	87116	Strand	-
Start	1	End	26302
Name	OJ000302_17.0331.C4.o7.gs	Method	GENSCAN
Start	18612	End	25356
GI	none	Score	.7
Exons	18612..18826, 19312..19457, 20072..20310, 21895..21987, 22654..22774, 25334..25356		

Seq. No.	41974	Seq. ID	OJ000302_17.0331.C5
Gene No.	87117	Strand	+
Start	1216	End	1810
Name	OJ000302_17.0331.C5.o1.gs	Method	GENSCAN
Start	1216	End	1810
GI	none	Score	.43
Exons	1216..1341, 1618..1733, 1751..1810		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87118	Strand	+
Start	52	End	4266
Name	OJ000302_17.0331.C6.o1.gs	Method	GENSCAN
Start	52	End	4266
GI	none	Score	.69
Exons	52..106, 526..666, 1192..2053, 2232..2258, 2353..3427, 3470..3862, 3907..4266		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87118	Strand	+
Start	52	End	4266
Name	OJ000302_17.0331.C6.o1.np	Method	AAT/NAP
Start	992	End	4263
GI	6907089	Score	4823
Exons	992..2258, 2353..4263		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o2.tw	Method	TBLASTX:Wheat
Start	3510	End	8043
GI	none	Score	59
Exons	3510..3611, 7623..8042, 7630..8043		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o4.tm	Method	TBLASTX:Maize
Start	4891	End	5037
GI	none	Score	123
Exons	4891..5037, 4898..5032		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o2.np	Method	AAT/NAP
Start	4897	End	9481
GI	7228457	Score	7226
Exons	4897..6447, 6514..7664, 7787..8621, 8685..9481		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o6.tw	Method	TBLASTX:Wheat

Start	4906	End	5508
GI	none	Score	76
Exons	4906..5031, 4910..5032, 5198..5506, 5224..5508, 5225..5503		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o4.tw	Method	TBLASTX:Wheat
Start	5509	End	5890
GI	none	Score	163
Exons	5509..5889, 5540..5788, 5834..5890		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o3.tm	Method	TBLASTX:Maize
Start	5665	End	6027
GI	none	Score	208
Exons	5665..5712, 5704..6027, 5717..5998		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o7.tw	Method	TBLASTX:Wheat
Start	6220	End	6532
GI	none	Score	67
Exons	6220..6480, 6356..6532		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o2.ts	Method	TBLASTX:Soybean
Start	6280	End	6846
GI	5666795	Score	68
Exons	6280..6480, 6535..6672, 6748..6846		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o5.tw	Method	TBLASTX:Wheat
Start	6535	End	6986
GI	none	Score	88
Exons	6535..6696, 6536..6673, 6538..6675, 6543..6686, 6718..6939, 6719..6904, 6739..6939, 6771..6986		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o1.ts	Method	TBLASTX:Soybean
Start	7593	End	7964
GI	none	Score	90
Exons	7593..7964, 7804..7947		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481

Name	OJ000302_17.0331.C6.o2.tm	Method	TBLASTX:Maize
Start	7716	End	8100
GI	none	Score	230
Exons	7716..8099, 7735..8100		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o1.tm	Method	TBLASTX:Maize
Start	8127	End	8483
GI	none	Score	126
Exons	8127..8432, 8127..8483, 8137..8448		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o1.tw	Method	TBLASTX:Wheat
Start	8151	End	8613
GI	none	Score	227
Exons	8151..8612, 8157..8612, 8158..8613		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o3.ts	Method	TBLASTX:Soybean
Start	8208	End	8573
GI	none	Score	118
Exons	8208..8342, 8349..8573		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o3.gs	Method	GENSCAN
Start	8622	End	9341
GI	none	Score	.97
Exons	8622..9341		

Seq. No.	41975	Seq. ID	OJ000302_17.0331.C6
Gene No.	87119	Strand	-
Start	4897	End	9481
Name	OJ000302_17.0331.C6.o3.tw	Method	TBLASTX:Wheat
Start	8778	End	9264
GI	none	Score	167
Exons	8778..9263, 8809..9069, 9127..9264		

Seq. No.	41976	Seq. ID	OJ000302_17.0331.C7
Gene No.	87120	Strand	+
Start	1041	End	2319
Name	OJ000302_17.0331.C7.o3.np	Method	AAT/NAP
Start	1041	End	2319
GI	7523512	Score	128
Exons	1041..1067, 2191..2319		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	41976	Seq. ID	OJ000302_17.0331.C7
Gene No.	87121	Strand	+
Start	12186	End	12895

Name	OJ000302_17.0331.C7.o2.gs	Method	GENSCAN
Start	12186	End	12884
GI	none	Score	.8
Exons	12186..12884		

Seq. No.	41976	Seq. ID	OJ000302_17.0331.C7
Gene No.	87121	Strand	+
Start	12186	End	12895
Name	OJ000302_17.0331.C7.o4.np	Method	AAT/NAP
Start	12186	End	12895
GI	5902444	Score	726
Exons	12186..12895		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	41976	Seq. ID	OJ000302_17.0331.C7
Gene No.	87122	Strand	-
Start	1	End	1198
Name	OJ000302_17.0331.C7.o1.np	Method	AAT/NAP
Start	1	End	1198
GI	6721562	Score	1887
Exons	1..1198		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	41976	Seq. ID	OJ000302_17.0331.C7
Gene No.	87123	Strand	-
Start	1432	End	8126
Name	OJ000302_17.0331.C7.o2.np	Method	AAT/NAP
Start	1432	End	8126
GI	5042454	Score	234
Exons	1432..1485, 1720..1903, 8060..8126		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	41976	Seq. ID	OJ000302_17.0331.C7
Gene No.	87124	Strand	-
Start	11723	End	12485
Name	OJ000302_17.0331.C7.o1.tw	Method	TBLASTX:Wheat
Start	152	End	544
GI	none	Score	93
Exons	152..409, 186..425, 392..490, 393..485, 497..544		

Seq. No.	41976	Seq. ID	OJ000302_17.0331.C7
Gene No.	87124	Strand	-
Start	11723	End	12485
Name	OJ000302_17.0331.C7.o1.tm	Method	TBLASTX:Maize
Start	254	End	539
GI	none	Score	87
Exons	254..502, 255..539		

Seq. No.	41976	Seq. ID	OJ000302_17.0331.C7
Gene No.	87124	Strand	-
Start	11723	End	12485
Name	OJ000302_17.0331.C7.o2.gp	Method	AAT/GAP
Start	11723	End	12485

GI	5816562	Score	629
Exons	11723..12139, 12468..12485		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87125	Strand	+
Start	1	End	5092
Name	OJ000302_17.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	5056
GI	5922631	Score	6135
Exons	1..59, 105..676, 719..869, 996..1922, 2529..5056		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87125	Strand	+
Start	1	End	5092
Name	OJ000302_17.0331.C8.o1.gs	Method	GENSCAN
Start	152	End	5092
GI	none	Score	.88
Exons	152..1914, 2011..4109, 4128..5092		

Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o7.tw	Method	TBLASTX:Wheat
Start	280	End	682
GI	none	Score	285
Exons	280..588, 281..682		

Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o2.tw	Method	TBLASTX:Wheat
Start	1262	End	2059
GI	none	Score	146
Exons	1262..1438, 1483..1719, 1487..1717, 1766..2059, 1894..2055		

Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o2.ts	Method	TBLASTX:Soybean
Start	1979	End	2344
GI	none	Score	133
Exons	1979..2203, 2210..2344		

Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o8.tw	Method	TBLASTX:Wheat
Start	2060	End	2294

GI	none	Score	269
Exons	2060..2293, 2080..2292, 2130..2294		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o3.tm	Method	TBLASTX:Maize
Start	2069	End	2425
GI	none	Score	362
Exons	2069..2425, 2110..2415		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o1.tw	Method	TBLASTX:Wheat
Start	2294	End	2713
GI	none	Score	500
Exons	2294..2713, 2296..2712		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o2.tm	Method	TBLASTX:Maize
Start	2453	End	2836
GI	none	Score	376
Exons	2453..2836, 2491..2835		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o1.ts	Method	TBLASTX:Soybean
Start	2588	End	2989
GI	none	Score	308
Exons	2588..2989, 2605..2748, 2785..2955		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o4.tw	Method	TBLASTX:Wheat
Start	2758	End	3187
GI	none	Score	420
Exons	2758..2967, 2759..3187		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o3.ts	Method	TBLASTX:Soybean
Start	3217	End	3603
GI	none	Score	86
Exons	3217..3309, 3221..3319, 3355..3603, 3359..3601		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o6.tw	Method	TBLASTX:Wheat
Start	3224	End	3646
GI	none	Score	338

Exons	3224..3646, 3229..3570		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o10.tw	Method	TBLASTX:Wheat
Start	3662	End	3961
GI	none	Score	135
Exons	3662..3796, 3863..3961		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o1.tm	Method	TBLASTX:Maize
Start	3956	End	4270
GI	none	Score	424
Exons	3956..4264, 3958..4269, 3959..4270		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o5.tw	Method	TBLASTX:Wheat
Start	3964	End	4351
GI	none	Score	398
Exons	3964..4275, 3965..4351, 4160..4351		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o5.tm	Method	TBLASTX:Maize
Start	4423	End	4696
GI	none	Score	101
Exons	4423..4521, 4424..4522, 4513..4587, 4517..4600, 4610..4696		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o3.tw	Method	TBLASTX:Wheat
Start	4466	End	5080
GI	none	Score	372
Exons	4466..4957, 4486..4575, 4627..4755, 4949..5080		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o4.tm	Method	TBLASTX:Maize
Start	4778	End	5041
GI	none	Score	169
Exons	4778..4960, 4900..4959, 4939..5040, 4940..5041		
Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o2.gs	Method	GENSCAN
Start	5422	End	8477
GI	none	Score	.67
Exons	5422..5873, 6123..6312, 6388..6533, 6653..7011, 7088..7380,		

7467..8477

Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o2.np	Method	AAT/NAP
Start	5425	End	8351
GI	6691716	Score	2468
Exons	5425..5873, 5947..6060, 6210..6312, 6388..6575, 6653..6832, 6911..7011, 7088..7265, 7463..8351		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	41977	Seq. ID	OJ000302_17.0331.C8
Gene No.	87126	Strand	-
Start	5422	End	8477
Name	OJ000302_17.0331.C8.o9.tw	Method	TBLASTX:Wheat
Start	7941	End	8231
GI	none	Score	210
Exons	7941..8231		

Seq. No.	41978	Seq. ID	OJ000302_17.0331.C9
Gene No.	87127	Strand	+
Start	863	End	1078
Name	OJ000302_17.0331.C9.o1.gs	Method	GENSCAN
Start	863	End	1078
GI	none	Score	.86
Exons	863..990, 1020..1078		

Seq. No.	41978	Seq. ID	OJ000302_17.0331.C9
Gene No.	87128	Strand	+
Start	7609	End	9887
Name	OJ000302_17.0331.C9.o3.gs	Method	GENSCAN
Start	7609	End	9887
GI	none	Score	.57
Exons	7609..7796, 7945..8061, 8167..8203, 8493..8764, 9439..9592, 9668..9887		

Seq. No.	41978	Seq. ID	OJ000302_17.0331.C9
Gene No.	87129	Strand	-
Start	4710	End	5174
Name	OJ000302_17.0331.C9.o2.gs	Method	GENSCAN
Start	4710	End	5174
GI	none	Score	.44
Exons	4710..5174		

Seq. No.	41979	Seq. ID	OJ000302_17.0331.C10
Gene No.	87130	Strand	+
Start	77	End	391
Name	OJ000302_17.0331.C10.o1.gs	Method	GENSCAN
Start	77	End	391
GI	none	Score	.91
Exons	77..391		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87131	Strand	+

Start	510	End	13260
Name	OJ000302_17.0331.C11.o1.gs	Method	GENSCAN
Start	510	End	13260
GI	none	Score	.48
Exons	510..527, 2092..2226, 2682..2888, 3418..3552, 5261..5289, 6295..6443, 6722..7597, 8063..8178, 8197..8450, 8663..8724, 9135..9251, 9502..9585, 10095..10211, 10494..11307, 11596..11710, 11956..12157, 12827..13260		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87131	Strand	+
Start	510	End	13260
Name	OJ000302_17.0331.C11.o2.np	Method	AAT/NAP
Start	5169	End	8532
GI	6587849	Score	218
Exons	5169..5203, 8122..8532		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87131	Strand	+
Start	510	End	13260
Name	OJ000302_17.0331.C11.o1.np	Method	AAT/NAP
Start	7194	End	7653
GI	4733973	Score	136
Exons	7194..7653		
GI Descrip.	(AC007264) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87131	Strand	+
Start	510	End	13260
Name	OJ000302_17.0331.C11.o4.np	Method	AAT/NAP
Start	10922	End	12347
GI	5852084	Score	90
Exons	10922..10957, 12264..12347		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87131	Strand	+
Start	510	End	13260
Name	OJ000302_17.0331.C11.o3.gp	Method	AAT/GAP
Start	12600	End	12660
GI	688_1.R1084	Score	77
Exons	12600..12660		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87132	Strand	-
Start	8734	End	9358
Name	OJ000302_17.0331.C11.o1.gp	Method	AAT/GAP
Start	8734	End	9358
GI	3761363	Score	1142
Exons	8734..9358		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87133	Strand	-
Start	9317	End	11453
Name	OJ000302_17.0331.C11.o3.np	Method	AAT/NAP
Start	9317	End	11453
GI	6063554	Score	202
Exons	9317..9490, 10906..11164, 11278..11453		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87133	Strand	-
Start	9317	End	11453
Name	OJ000302_17.0331.C11.o2.gp	Method	AAT/GAP
Start	9557	End	9932
GI	2427387	Score	731
Exons	9557..9932		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87134	Strand	-
Start	11447	End	13140
Name	OJ000302_17.0331.C11.o5.np	Method	AAT/NAP
Start	11447	End	13140
GI	226661	Score	56
Exons	11447..11470, 12597..12662, 13030..13140		
GI Descrip.	trnA intron ORF 109 [Oryza sativa]		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87135	Strand	-
Start	15992	End	17912
Name	OJ000302_17.0331.C11.o1.ts	Method	TBLASTX:Soybean
Start	7210	End	7641
GI	none	Score	122
Exons	7210..7413, 7462..7641		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87135	Strand	-
Start	15992	End	17912
Name	OJ000302_17.0331.C11.o1.tm	Method	TBLASTX:Maize
Start	7230	End	7641
GI	none	Score	114
Exons	7230..7430, 7273..7431, 7462..7641, 7500..7625		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87135	Strand	-
Start	15992	End	17912
Name	OJ000302_17.0331.C11.o1.tw	Method	TBLASTX:Wheat
Start	8142	End	8448
GI	none	Score	288
Exons	8142..8447, 8146..8448		

Seq. No.	41980	Seq. ID	OJ000302_17.0331.C11
Gene No.	87135	Strand	-
Start	15992	End	17912

Name	OJ000302_17.0331.C11.o2.gs	Method	GENSCAN
Start	15992	End	17912
GI	none	Score	.95
Exons	15992..16066, 16442..16724, 16805..16975, 17053..17912		

Seq. No.	41981	Seq. ID	OJ000302_17.0331.C12
Gene No.	87136	Strand	-
Start	2524	End	2943
Name	OJ000302_17.0331.C12.o1.np	Method	AAT/NAP
Start	2524	End	2943
GI	4680203	Score	192
Exons	2524..2943		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	41981	Seq. ID	OJ000302_17.0331.C12
Gene No.	87136	Strand	-
Start	2524	End	2943
Name	OJ000302_17.0331.C12.o1.tw	Method	TBLASTX:Wheat
Start	2602	End	2942
GI	none	Score	75
Exons	2602..2721, 2722..2826, 2735..2827, 2845..2898, 2861..2893, 2899..2940, 2901..2942		

Seq. No.	41981	Seq. ID	OJ000302_17.0331.C12
Gene No.	87136	Strand	-
Start	2524	End	2943
Name	OJ000302_17.0331.C12.o1.ts	Method	TBLASTX:Soybean
Start	2665	End	2913
GI	none	Score	83
Exons	2665..2913, 2732..2911		

Seq. No.	41982	Seq. ID	OJ000302_17.0331.C14
Gene No.	87137	Strand	+
Start	94	End	378
Name	OJ000302_17.0331.C14.o1.gp	Method	AAT/GAP
Start	94	End	378
GI	uC-osroM202017c04a1	Score	570
Exons	94..378		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	41982	Seq. ID	OJ000302_17.0331.C14
Gene No.	87138	Strand	-
Start	389	End	704
Name	OJ000302_17.0331.C14.o1.np	Method	AAT/NAP
Start	389	End	704
GI	1399277	Score	155
Exons	389..704		
GI Descrip.	(U31836) calmodulin-domain protein kinase CDPK isoform 7 [Arabidopsis thaliana]		

Seq. No.	41982	Seq. ID	OJ000302_17.0331.C14
Gene No.	87138	Strand	-
Start	389	End	704
Name	OJ000302_17.0331.C14.o1.gs	Method	GENSCAN
Start	392	End	538
GI	none	Score	1

Exons	392..538		
Seq. No.	41982	Seq. ID	OJ000302_17.0331.C14
Gene No.	87138	Strand	-
Start	389	End	704
Name	OJ000302_17.0331.C14.o1.tm	Method	TBLASTX:Maize
Start	401	End	541
GI	none	Score	144
Exons	401..541, 411..539		
Seq. No.	41982	Seq. ID	OJ000302_17.0331.C14
Gene No.	87138	Strand	-
Start	389	End	704
Name	OJ000302_17.0331.C14.o1.tc	Method	TBLASTX:Cress
Start	401	End	541
GI	none	Score	157
Exons	401..541, 411..539		
Seq. No.	41982	Seq. ID	OJ000302_17.0331.C14
Gene No.	87138	Strand	-
Start	389	End	704
Name	OJ000302_17.0331.C14.o1.ts	Method	TBLASTX:Soybean
Start	401	End	541
GI	none	Score	137
Exons	401..541, 411..539		
Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87139	Strand	+
Start	9671	End	9948
Name	OJ000222_19.0322.C3.o1.gp	Method	AAT/GAP
Start	9671	End	9948
GI	4968585	Score	516
Exons	9671..9948		
Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87140	Strand	+
Start	12685	End	13286
Name	OJ000222_19.0322.C3.o6.np	Method	AAT/NAP
Start	12685	End	13286
GI	7484690	Score	67
Exons	12685..12799, 13008..13286		
GI Descrip.	anthranilate N-benzoyltransferase (EC 2.3.1.144) (clone pchcbt1a) - clove pink (fragment) gi|2239085|emb|CAB06428.1| (Z84384) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]		
Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87141	Strand	+
Start	14007	End	14241
Name	OJ000222_19.0322.C3.o7.np	Method	AAT/NAP
Start	14007	End	14241
GI	4680492	Score	371
Exons	14007..14241		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		
Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87142	Strand	-

Start	444	End	3084
Name	OJ000222_19.0322.C3.o1.gs	Method	GENSCAN
Start	444	End	3084
GI	none	Score	.83
Exons	444..647, 762..986, 1422..3084		

Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87142	Strand	-
Start	444	End	3084
Name	OJ000222_19.0322.C3.o2.np	Method	AAT/NAP
Start	700	End	3084
GI	2852684	Score	814
Exons	700..1551, 1633..3084		
GI Descrip.	(AF017751) resistance protein candidate [Lactuca sativa]		

Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87142	Strand	-
Start	444	End	3084
Name	OJ000222_19.0322.C3.o1.np	Method	AAT/NAP
Start	1537	End	2484
GI	6649097	Score	1644
Exons	1537..2484		
GI Descrip.	(AF146275) resistance gene analog PIC27 [Oryza sativa]		

Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87143	Strand	-
Start	3743	End	9068
Name	OJ000222_19.0322.C3.o2.gs	Method	GENSCAN
Start	3743	End	9068
GI	none	Score	.81
Exons	3743..3786, 4168..4363, 6273..9068		

Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87143	Strand	-
Start	3743	End	9068
Name	OJ000222_19.0322.C3.o3.np	Method	AAT/NAP
Start	5666	End	7300
GI	6967111	Score	122
Exons	5666..5847, 6293..6446, 7137..7300		
GI Descrip.	(AL138652) disease resistance protein homolog [Arabidopsis thaliana]		

Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87143	Strand	-
Start	3743	End	9068
Name	OJ000222_19.0322.C3.o5.np	Method	AAT/NAP
Start	7450	End	8471
GI	6649097	Score	877
Exons	7450..7551, 7625..8471		
GI Descrip.	(AF146275) resistance gene analog PIC27 [Oryza sativa]		

Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87144	Strand	-
Start	10822	End	16095
Name	OJ000222_19.0322.C3.o1.ts	Method	TBLASTX:Soybean
Start	835	End	7997
GI	none	Score	70

Exons	835..1053, 1084..1254, 1708..1836, 1735..1863, 1739..1843, 1740..1868, 1894..1995, 1949..1996, 6876..7100, 7122..7250, 7251..7358, 7407..7577, 7480..7578, 7641..7694, 7642..7695, 7719..7997		

Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87144	Strand	-
Start	10822	End	16095
Name	OJ000222_19.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	1658	End	8019
GI	none	Score	99
Exons	1658..1819, 1663..1884, 1894..2019, 2047..2121, 7642..7884, 7644..8018, 7948..8019		

Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87144	Strand	-
Start	10822	End	16095
Name	OJ000222_19.0322.C3.o1.tc	Method	TBLASTX:Cress
Start	1693	End	8285
GI	none	Score	64
Exons	1693..1830, 1912..2121, 2230..2322, 7662..7814, 7911..8159, 8223..8285		

Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87144	Strand	-
Start	10822	End	16095
Name	OJ000222_19.0322.C3.o2.ts	Method	TBLASTX:Soybean
Start	2035	End	8480
GI	none	Score	76
Exons	2035..2178, 2176..2316, 2335..2424, 2428..2493, 8034..8177, 8148..8420, 8415..8480		

Seq. No.	41983	Seq. ID	OJ000222_19.0322.C3
Gene No.	87144	Strand	-
Start	10822	End	16095
Name	OJ000222_19.0322.C3.o3.gs	Method	GENSCAN
Start	10822	End	16095
GI	none	Score	.44
Exons	10822..10902, 10907..10926, 11240..11336, 11617..11709, 12773..12879, 13707..13738, 13959..14090, 16082..16095		

Seq. No.	41984	Seq. ID	OJ000222_19.0322.C4
Gene No.	87145	Strand	+
Start	1884	End	2006
Name	OJ000222_19.0322.C4.o1.np	Method	AAT/NAP
Start	1884	End	2006
GI	5922630	Score	171
Exons	1884..2006		
GI Descrip.	(AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016863|dbj|BAA85206.1| (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41984	Seq. ID	OJ000222_19.0322.C4
Gene No.	87146	Strand	+
Start	1912	End	4712

Name	OJ000222_19.0322.C4.o1.gs	Method	GENSCAN
Start	1912	End	4712
GI	none	Score	.64
Exons	1912..2030, 2940..3096, 3739..3954, 4101..4712		

Seq. No.	41984	Seq. ID	OJ000222_19.0322.C4
Gene No.	87146	Strand	+
Start	1912	End	4712
Name	OJ000222_19.0322.C4.o3.np	Method	AAT/NAP
Start	2418	End	4700
GI	6469032	Score	191
Exons	2418..2441, 4038..4700		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	41984	Seq. ID	OJ000222_19.0322.C4
Gene No.	87146	Strand	+
Start	1912	End	4712
Name	OJ000222_19.0322.C4.o2.tm	Method	TBLASTX:Maize
Start	3781	End	4074
GI	none	Score	144
Exons	3781..3933, 3816..3929, 3945..4073, 3946..4074		

Seq. No.	41984	Seq. ID	OJ000222_19.0322.C4
Gene No.	87146	Strand	+
Start	1912	End	4712
Name	OJ000222_19.0322.C4.o1.ts	Method	TBLASTX:Soybean
Start	3886	End	4628
GI	none	Score	50
Exons	3886..3912, 3895..4086, 3928..4086, 4158..4445, 4494..4628		

Seq. No.	41984	Seq. ID	OJ000222_19.0322.C4
Gene No.	87146	Strand	+
Start	1912	End	4712
Name	OJ000222_19.0322.C4.o2.np	Method	AAT/NAP
Start	4041	End	4700
GI	6469032	Score	191
Exons	4041..4700		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	41984	Seq. ID	OJ000222_19.0322.C4
Gene No.	87146	Strand	+
Start	1912	End	4712
Name	OJ000222_19.0322.C4.o1.tm	Method	TBLASTX:Maize
Start	4074	End	4544
GI	none	Score	467
Exons	4074..4544, 4083..4541, 4295..4543		

Seq. No.	41985	Seq. ID	OJ000222_19.0322.C5
Gene No.	87147	Strand	+
Start	577	End	605
Name	OJ000222_19.0322.C5.o1.gs	Method	GENSCAN
Start	577	End	605
GI	none	Score	.44
Exons	577..605		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87148	Strand	+
Start	9344	End	9874
Name	OJ000222_19.0322.C6.o2.gs	Method	GENSCAN
Start	9344	End	9874
GI	none	Score	1
Exons	9344..9874		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87149	Strand	-
Start	1	End	1802
Name	OJ000222_19.0322.C6.o1.np	Method	AAT/NAP
Start	1	End	1802
GI	7485989	Score	708
Exons	1..108, 365..637, 855..1802		
GI Descrip.	hypothetical protein F22O13.27 - Arabidopsis thaliana gi|3063465|gb|AAC14053.1| (AC003981) F22O13.27 [Arabidopsis thaliana]		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87150	Strand	-
Start	12540	End	15087
Name	OJ000222_19.0322.C6.o3.gs	Method	GENSCAN
Start	12540	End	15087
GI	none	Score	.4
Exons	12540..13088, 13300..13457, 14961..15087		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87151	Strand	-
Start	15897	End	16101
Name	OJ000222_19.0322.C6.o3.tm	Method	TBLASTX:Maize
Start	363	End	638
GI	none	Score	171
Exons	363..566, 365..577, 585..638		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87151	Strand	-
Start	15897	End	16101
Name	OJ000222_19.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	855	End	1298
GI	none	Score	142
Exons	855..1025, 855..1025, 862..1026, 1005..1067, 1006..1059, 1022..1237, 1056..1238, 1057..1239, 1221..1298, 1252..1296		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87151	Strand	-
Start	15897	End	16101
Name	OJ000222_19.0322.C6.o1.tc	Method	TBLASTX:Cress
Start	1434	End	1806
GI	none	Score	345
Exons	1434..1802, 1435..1806		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87151	Strand	-
Start	15897	End	16101
Name	OJ000222_19.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	1542	End	1803

GI	none	Score	69
Exons	1542..1673, 1686..1802, 1687..1803		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87151	Strand	-
Start	15897	End	16101
Name	OJ000222_19.0322.C6.o2.tm	Method	TBLASTX:Maize
Start	1623	End	1815
GI	none	Score	216
Exons	1623..1811, 1627..1815, 1636..1815		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87151	Strand	-
Start	15897	End	16101
Name	OJ000222_19.0322.C6.o4.tm	Method	TBLASTX:Maize
Start	14954	End	16099
GI	none	Score	85
Exons	14954..15028, 14977..15027, 15912..15956, 15912..15956, 15913..15963, 15947..16054, 15956..16051, 15958..16056, 16048..16098, 16052..16099		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87151	Strand	-
Start	15897	End	16101
Name	OJ000222_19.0322.C6.o1.tw	Method	TBLASTX:Wheat
Start	14955	End	16099
GI	none	Score	61
Exons	14955..15074, 14975..15028, 14977..15027, 15912..15956, 15956..16051, 15956..16054, 15958..16053, 16048..16098, 16061..16099		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87151	Strand	-
Start	15897	End	16101
Name	OJ000222_19.0322.C6.o2.tc	Method	TBLASTX:Cress
Start	14975	End	16099
GI	none	Score	69
Exons	14975..15028, 15898..15954, 15912..15953, 15956..16054, 15957..16055, 15974..16051, 16048..16098, 16052..16099		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87151	Strand	-
Start	15897	End	16101
Name	OJ000222_19.0322.C6.o2.ts	Method	TBLASTX:Soybean
Start	14977	End	16099
GI	none	Score	60
Exons	14977..15027, 15912..15956, 15913..15954, 15953..16051, 15956..16054, 15966..16055, 15967..16056, 16048..16098, 16052..16099		

Seq. No.	41986	Seq. ID	OJ000222_19.0322.C6
Gene No.	87151	Strand	-
Start	15897	End	16101
Name	OJ000222_19.0322.C6.o3.np	Method	AAT/NAP
Start	15897	End	16101
GI	3122724	Score	210
Exons	15897..16101		

GI Descrip. 60S RIBOSOMAL PROTEIN L38 gi|2289009|gb|AAB64338.1| (AC002335) 60S ribosomal protein L38 [Arabidopsis thaliana]

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87152	Strand	+
Start	3667	End	12108
Name	OJ000222_19.0322.C7.o2.gs	Method	GENSCAN
Start	3667	End	12023
GI	none	Score	.48
Exons	3667..3956, 4095..4232, 4346..4448, 4943..5148, 5332..5383, 5669..5825, 5993..6180, 6308..7818, 7948..9089, 9533..10164, 10332..10499, 10819..10887, 11892..12023		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87152	Strand	+
Start	3667	End	12108
Name	OJ000222_19.0322.C7.o2.np	Method	AAT/NAP
Start	3670	End	5155
GI	6503287	Score	518
Exons	3670..3956, 4095..4232, 4346..4448, 4943..5155		
GI Descrip.	(AC011713) Strong similarity to gi|445613 ribosomal protein L7 from Solanum tuberosum. [Arabidopsis thaliana]		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87152	Strand	+
Start	3667	End	12108
Name	OJ000222_19.0322.C7.o2.gp	Method	AAT/GAP
Start	4160	End	5312
GI	1999_1.R1084	Score	999
Exons	4160..4232, 4346..4448, 4943..5312		
GI Descrip.	'133019/sp|P11874|RL7_DICDI 1.0e-33 60S RIBOSOMAL PROTEIN L7 >gi_71122_pir__R5DO7 ribosomal protein L7 - slime mold (Dictyostelium discoideum) >gi_7357_emb_CAA33035_ (X14909) ribosomal protein L7 (AA 1 - 246) [Dictyostelium discoideum]'		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87152	Strand	+
Start	3667	End	12108
Name	OJ000222_19.0322.C7.o3.gp	Method	AAT/GAP
Start	5968	End	6432
GI	701907	Score	466
Exons	5968..6171, 6290..6432		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87152	Strand	+
Start	3667	End	12108
Name	OJ000222_19.0322.C7.o3.np	Method	AAT/NAP
Start	6710	End	7606
GI	6649097	Score	971
Exons	6710..7606		
GI Descrip.	(AF146275) resistance gene analog PIC27 [Oryza sativa]		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87152	Strand	+
Start	3667	End	12108
Name	OJ000222_19.0322.C7.o5.np	Method	AAT/NAP
Start	10381	End	12108

GI	6094097	Score	142
Exons	10381..10451, 11857..12108		
GI Descrip.	PROBABLE 60S RIBOSOMAL PROTEIN L7 gi|7504085|pir||T29034 hypothetical protein F53G12.10 - Caenorhabditis elegans gi|2088722|gb|AAB54165.1| (AF003139) strong similarity to the L30P family of ribosomal proteins [Caenorhabditis elegans]		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87153	Strand	+
Start	18183	End	20352
Name	OJ000222_19.0322.C7.o4.gp	Method	AAT/GAP
Start	18130	End	19129
GI	none	Score	754
Exons	18130..18260, 18501..18570, 18662..18821, 19068..19129		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87153	Strand	+
Start	18183	End	20352
Name	OJ000222_19.0322.C7.o4.gs	Method	GENSCAN
Start	18183	End	20352
GI	none	Score	.83
Exons	18183..18260, 18501..18570, 18662..18821, 19196..19262, 19398..19614, 19792..19856, 20102..20352		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87154	Strand	-
Start	1	End	3408
Name	OJ000222_19.0322.C7.o1.np	Method	AAT/NAP
Start	1	End	2405
GI	7435570	Score	1176
Exons	1..124, 345..488, 578..674, 998..1092, 1206..1297, 1392..1537, 1631..1730, 1923..2030, 2106..2139, 2246..2405		
GI Descrip.	methionyl aminopeptidase (EC 3.4.11.18) F6E13.31 - Arabidopsis thaliana gi|3212871|gb|AAC23422.1| (AC004005) putative methionine aminopeptidase [Arabidopsis thaliana]		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87154	Strand	-
Start	1	End	3408
Name	OJ000222_19.0322.C7.o1.gs	Method	GENSCAN
Start	345	End	3408
GI	none	Score	.86
Exons	345..488, 578..674, 998..1092, 1206..1297, 1392..1537, 1631..1730, 1923..2030, 2106..2151, 2276..2411, 2913..3030, 3156..3243, 3270..3408		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87154	Strand	-
Start	1	End	3408
Name	OJ000222_19.0322.C7.o1.gp	Method	AAT/GAP
Start	1967	End	3223
GI	none	Score	589
Exons	1967..2030, 2106..2145, 2276..2411, 2913..3032, 3201..3223		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87155	Strand	-
Start	12933	End	13610

Name	OJ000222_19.0322.C7.o3.gs	Method	GENSCAN
Start	12933	End	13610
GI	none	Score	.83
Exons	12933..13610		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	2030
GI	none	Score	157
Exons	1..132, 1..123, 3..125, 333..485, 343..489, 344..490, 349..531, 579..674, 580..675, 742..810, 992..1090, 996..1094, 998..1093, 1180..1296, 1189..1296, 1205..1297, 1391..1537, 1392..1538, 1392..1538, 1614..1724, 1628..1723, 1628..1729, 1911..2030, 1922..2029		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o4.tc	Method	TBLASTX:Cress
Start	18	End	609
GI	none	Score	153
Exons	18..125, 19..132, 343..489, 344..490, 579..608, 580..609		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o1.ts	Method	TBLASTX:Soybean
Start	992	End	2033
GI	none	Score	91
Exons	992..1090, 996..1094, 998..1093, 1189..1296, 1190..1297, 1391..1468, 1392..1469, 1446..1553, 1469..1537, 1628..1729, 1628..1729, 1911..2033, 1922..2032		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o1.tc	Method	TBLASTX:Cress
Start	996	End	2033
GI	none	Score	83
Exons	996..1094, 998..1093, 1183..1290, 1189..1296, 1190..1297, 1380..1442, 1381..1443, 1391..1537, 1392..1538, 1477..1548, 1628..1723, 1628..1729, 1914..2030, 1922..2032, 1923..2033		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o5.tm	Method	TBLASTX:Maize
Start	3636	End	3939
GI	none	Score	94
Exons	3636..3938, 3637..3759, 3795..3938, 3814..3939		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o2.tw	Method	TBLASTX:Wheat

Start	3667	End	3858
GI	none	Score	182
Exons	3667..3858, 3672..3857		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o5.tc	Method	TBLASTX:Cress
Start	3670	End	12111
GI	none	Score	88
Exons	3670..3897, 4086..4253, 4105..4233, 4341..4454, 4349..4396, 4940..5158, 4940..5134, 4942..5160, 11889..11927, 11931..12032, 12052..12111		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o3.ts	Method	TBLASTX:Soybean
Start	3703	End	12111
GI	none	Score	78
Exons	3703..3897, 4086..4253, 4105..4233, 4341..4454, 4349..4396, 4940..5158, 4945..5160, 11889..11927, 11931..12032, 12052..12111		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o3.tm	Method	TBLASTX:Maize
Start	3940	End	12258
GI	none	Score	38
Exons	3940..3963, 4087..4233, 4087..4233, 4101..4247, 4101..4253, 4334..4450, 4341..4454, 4345..4464, 4346..4447, 4937..5164, 4942..5175, 4942..5157, 5165..5209, 5205..5237, 5209..5229, 5220..5297, 5233..5307, 11886..11927, 11891..11929, 11897..12004, 11909..12034, 11931..12035, 12007..12051, 12008..12049, 12051..12071, 12052..12117, 12157..12183, 12159..12188, 12180..12248, 12184..12258		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o1.tw	Method	TBLASTX:Wheat
Start	4048	End	4993
GI	none	Score	113
Exons	4048..4242, 4095..4253, 4105..4233, 4334..4450, 4334..4444, 4339..4464, 4341..4454, 4937..4993		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o3.tc	Method	TBLASTX:Cress
Start	6668	End	7420
GI	none	Score	139
Exons	6668..6838, 6676..6747, 6881..6964, 7082..7138, 7163..7291, 7334..7420		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-

Start	20291	End	20674
Name	OJ000222_19.0322.C7.o6.tm	Method	TBLASTX:Maize
Start	6689	End	7054
GI	none	Score	133
Exons	6689..6838, 6875..7054		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o2.ts	Method	TBLASTX:Soybean
Start	6700	End	7243
GI	none	Score	75
Exons	6700..6756, 6701..6766, 6746..6994, 7007..7150, 7163..7243		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o4.tm	Method	TBLASTX:Maize
Start	7163	End	7537
GI	none	Score	246
Exons	7163..7537		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o5.ts	Method	TBLASTX:Soybean
Start	7244	End	7468
GI	4397495	Score	199
Exons	7244..7468		
GI Descrip.	4234955 2.0e-22 (AF098971) NBS-LRR-like protein cD8 [Phaseolus vulgaris]		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o2.tm	Method	TBLASTX:Maize
Start	10442	End	20368
GI	none	Score	75
Exons	10442..10504, 10443..10499, 10812..10865, 10816..10869, 10859..10894, 11081..11158, 11085..11168, 11166..11225, 11182..11229, 18182..18259, 18183..18260, 18197..18262, 18489..18566, 18493..18564, 18494..18571, 18498..18569, 18652..18825, 18655..18822, 18662..18826, 18699..18857, 19045..19149, 19062..19148, 19069..19158, 19387..19578, 19395..19613, 19397..19618, 19397..19624, 19398..19622, 19781..19858, 19781..19858, 19782..19859, 19782..19859, 20091..20189, 20097..20360, 20099..20368, 20099..20356, 20223..20363		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o2.tc	Method	TBLASTX:Cress
Start	10816	End	20356
GI	none	Score	70
Exons	10816..10869, 11084..11161, 11085..11162, 11176..11229, 11184..11210, 18494..18559, 18498..18563, 18661..18822,		

18699..18803, 19090..19149, 19397..19483, 19398..19622,
19545..19616, 19782..19859, 19790..19849, 20099..20356,
20104..20226, 20217..20276, 20308..20355

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o4.ts	Method	TBLASTX:Soybean
Start	10816	End	19095
GI	none	Score	68
Exons	10816..10869, 11084..11158, 11085..11174, 11166..11222, 11182..11229, 18494..18559, 18495..18563, 18498..18563, 18661..18822, 18699..18815, 19045..19095		

Seq. No.	41987	Seq. ID	OJ000222_19.0322.C7
Gene No.	87156	Strand	-
Start	20291	End	20674
Name	OJ000222_19.0322.C7.o5.gp	Method	AAT/GAP
Start	20291	End	20674
GI	none	Score	686
Exons	20291..20674		

Seq. No.	41988	Seq. ID	OJ000222_19.0322.C8
Gene No.	87157	Strand	+
Start	4709	End	7205
Name	OJ000222_19.0322.C8.o2.gs	Method	GENSCAN
Start	4709	End	6314
GI	none	Score	.43
Exons	4709..4837, 6180..6314		

Seq. No.	41988	Seq. ID	OJ000222_19.0322.C8
Gene No.	87157	Strand	+
Start	4709	End	7205
Name	OJ000222_19.0322.C8.o1.np	Method	AAT/NAP
Start	6186	End	7205
GI	6815099	Score	82
Exons	6186..6384, 7095..7205		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	41988	Seq. ID	OJ000222_19.0322.C8
Gene No.	87158	Strand	-
Start	2230	End	2610
Name	OJ000222_19.0322.C8.o1.gs	Method	GENSCAN
Start	2230	End	2610
GI	none	Score	.62
Exons	2230..2610		

Seq. No.	41988	Seq. ID	OJ000222_19.0322.C8
Gene No.	87159	Strand	-
Start	7593	End	7787
Name	OJ000222_19.0322.C8.o3.gs	Method	GENSCAN
Start	7593	End	7787
GI	none	Score	.77
Exons	7593..7787		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87160	Strand	+

Start	171	End	5617
Name	OJ000222_19.0322.C9.o1.gs	Method	GENSCAN
Start	171	End	5617
GI	none	Score	.66
Exons	171..278, 418..593, 2569..2628, 2763..3181, 4002..4411, 4754..5617		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87160	Strand	+
Start	171	End	5617
Name	OJ000222_19.0322.C9.o1.np	Method	AAT/NAP
Start	2782	End	5614
GI	4887754	Score	1563
Exons	2782..3181, 4002..4411, 4754..5614		
GI Descrip.	(AC006533) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87161	Strand	+
Start	7647	End	14315
Name	OJ000222_19.0322.C9.o3.gs	Method	GENSCAN
Start	7647	End	14315
GI	none	Score	.83
Exons	7647..7688, 8678..8831, 8984..9095, 9257..9425, 9479..9589, 10760..10841, 11497..11591, 12220..12291, 12371..12450, 12527..12626, 13207..13254, 13834..13974, 14061..14315		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87161	Strand	+
Start	7647	End	14315
Name	OJ000222_19.0322.C9.o2.np	Method	AAT/NAP
Start	9090	End	14309
GI	7486473	Score	444
Exons	9090..9700, 10757..10841, 11497..11591, 12220..12291, 12371..12450, 12527..12626, 13369..13429, 13814..14309		
GI Descrip.	hypothetical protein F6E13.10 - Arabidopsis thaliana gi|3212854|gb|AAC23405.1| (AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87161	Strand	+
Start	7647	End	14315
Name	OJ000222_19.0322.C9.o1.gp	Method	AAT/GAP
Start	9247	End	11623
GI	uC-osflcyp174c01b1	Score	979
Exons	9247..9589, 10760..10841, 11497..11623		
GI Descrip.	'3212854 7.0e-20 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87161	Strand	+
Start	7647	End	14315
Name	OJ000222_19.0322.C9.o2.gp	Method	AAT/GAP
Start	12246	End	13868
GI	uC-osflcyp112d02b1	Score	624
Exons	12246..12291, 12371..12450, 12527..12626, 13207..13254, 13369..13437, 13834..13868		
GI Descrip.	'6002641/gb|AAF00075.1|AF094825_1 3.0e-19 (AF094825) RNA-binding		

protein homolog [Brassica napus]'

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87162	Strand	-
Start	5716	End	6833
Name	OJ000222_19.0322.C9.o2.gs	Method	GENSCAN
Start	5716	End	6833
GI	none	Score	.62
Exons	5716..5755, 5990..6116, 6367..6459, 6649..6704, 6718..6833		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87163	Strand	-
Start	14223	End	14688
Name	OJ000222_19.0322.C9.o3.gp	Method	AAT/GAP
Start	14223	End	14688
GI	none	Score	917
Exons	14223..14688		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87164	Strand	-
Start	14835	End	16676
Name	OJ000222_19.0322.C9.o1.tm	Method	TBLASTX:Maize
Start	2748	End	5622
GI	none	Score	117
Exons	2748..2879, 2776..2880, 2806..3180, 2880..3179, 3989..4228, 3991..4407, 3992..4435, 4004..4420, 4037..4129, 4070..4405, 4106..4408, 4753..5160, 4754..4963, 4770..4985, 4825..5163, 5164..5520, 5165..5524, 5531..5620, 5545..5622		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87164	Strand	-
Start	14835	End	16676
Name	OJ000222_19.0322.C9.o2.ts	Method	TBLASTX:Soybean
Start	3061	End	4438
GI	none	Score	122
Exons	3061..3180, 3991..4398, 3991..4293, 3992..4429, 4070..4438		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87164	Strand	-
Start	14835	End	16676
Name	OJ000222_19.0322.C9.o2.tc	Method	TBLASTX:Cress
Start	3136	End	4414
GI	none	Score	64
Exons	3136..3180, 3992..4186, 4003..4287, 4004..4288, 4106..4390, 4220..4414		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87164	Strand	-
Start	14835	End	16676
Name	OJ000222_19.0322.C9.o3.ts	Method	TBLASTX:Soybean
Start	4751	End	5076
GI	none	Score	205
Exons	4751..4963, 4765..5076, 4852..5076		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87164	Strand	-
Start	14835	End	16676

Name	OJ000222_19.0322.C9.o1.tw	Method	TBLASTX:Wheat
Start	5036	End	5572
GI	none	Score	119
Exons	5036..5134, 5041..5133, 5179..5469, 5252..5572		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87164	Strand	-
Start	14835	End	16676
Name	OJ000222_19.0322.C9.o1.tc	Method	TBLASTX:Cress
Start	5200	End	5530
GI	none	Score	271
Exons	5200..5505, 5249..5530		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87164	Strand	-
Start	14835	End	16676
Name	OJ000222_19.0322.C9.o1.ts	Method	TBLASTX:Soybean
Start	5218	End	5617
GI	none	Score	65
Exons	5218..5376, 5218..5520, 5249..5548, 5534..5617, 5563..5616		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87164	Strand	-
Start	14835	End	16676
Name	OJ000222_19.0322.C9.o2.tm	Method	TBLASTX:Maize
Start	13833	End	14305
GI	none	Score	119
Exons	13833..13865, 13847..13975, 13882..13974, 14059..14097, 14061..14084, 14089..14154, 14117..14155, 14120..14155, 14145..14231, 14174..14194, 14211..14243, 14225..14302, 14226..14303, 14252..14305		

Seq. No.	41989	Seq. ID	OJ000222_19.0322.C9
Gene No.	87164	Strand	-
Start	14835	End	16676
Name	OJ000222_19.0322.C9.o4.gs	Method	GENSCAN
Start	14835	End	16676
GI	none	Score	.8
Exons	14835..15425, 15588..15667, 16075..16272, 16589..16676		

Seq. No.	41990	Seq. ID	OJ000222_19.0322.C11
Gene No.	87165	Strand	+
Start	66	End	123
Name	OJ000222_19.0322.C11.o1.gp	Method	AAT/GAP
Start	66	End	123
GI	16490_1.R1084	Score	85
Exons	66..123		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	41990	Seq. ID	OJ000222_19.0322.C11
Gene No.	87166	Strand	-
Start	224	End	923
Name	OJ000222_19.0322.C11.o1.np	Method	AAT/NAP
Start	224	End	923
GI	6006375	Score	594
Exons	224..637, 897..923		

GI Descrip. (AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]

Seq. No.	41991	Seq. ID	OJ000222_19.0322.C12
Gene No.	87167	Strand	+
Start	1315	End	4191
Name	OJ000222_19.0322.C12.o1.gs	Method	GENSCAN
Start	1315	End	4191
GI	none	Score	.52
Exons	1315..1482, 1742..1952, 2782..3210, 3322..4191		

Seq. No.	41991	Seq. ID	OJ000222_19.0322.C12
Gene No.	87167	Strand	+
Start	1315	End	4191
Name	OJ000222_19.0322.C12.o2.np	Method	AAT/NAP
Start	2788	End	4179
GI	6469032	Score	519
Exons	2788..3225, 3322..4179		

GI Descrip. (AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]

Seq. No.	41991	Seq. ID	OJ000222_19.0322.C12
Gene No.	87168	Strand	-
Start	1	End	359
Name	OJ000222_19.0322.C12.o1.np	Method	AAT/NAP
Start	1	End	359
GI	6006375	Score	617
Exons	1..359		

GI Descrip. (AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]

Seq. No.	41991	Seq. ID	OJ000222_19.0322.C12
Gene No.	87169	Strand	
Start	2806	End	4107
Name	OJ000222_19.0322.C12.o1.tm	Method	TBLASTX:Maize
Start	2806	End	3558
GI	none	Score	126
Exons	2806..2964, 2822..2914, 2823..2963, 2940..3101, 2953..3108, 2960..3109, 3067..3210, 3100..3216, 3114..3215, 3141..3221, 3303..3557, 3313..3558		

Seq. No.	41991	Seq. ID	OJ000222_19.0322.C12
Gene No.	87169	Strand	
Start	2806	End	4107
Name	OJ000222_19.0322.C12.o1.tc	Method	TBLASTX:Cress
Start	2821	End	3449
GI	none	Score	50
Exons	2821..2895, 2890..2934, 2896..2931, 2938..3138, 2940..3143, 2947..3165, 3315..3449, 3316..3432		

Seq. No.	41991	Seq. ID	OJ000222_19.0322.C12
Gene No.	87169	Strand	
Start	2806	End	4107
Name	OJ000222_19.0322.C12.o1.ts	Method	TBLASTX:Soybean
Start	2890	End	4107
GI	none	Score	50
Exons	2890..2946, 2952..3143, 2953..3165, 3316..3432, 3318..3458,		

3637..3924, 3973..4107

Seq. No.	41991	Seq. ID	OJ000222_19.0322.C12
Gene No.	87169	Strand	
Start	2806	End	4107
Name	OJ000222_19.0322.C12.o2.tm	Method	TBLASTX:Maize
Start	3559	End	4023
GI	none	Score	467
Exons	3559..4023, 3571..4020, 3572..4021		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87170	Strand	+
Start	4884	End	5124
Name	OJ000222_19.0322.C13.o2.gp	Method	AAT/GAP
Start	4884	End	5124
GI	2797070	Score	442
Exons	4884..5124		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o1.gs	Method	GENSCAN
Start	391	End	7832
GI	none	Score	.72
Exons	391..413, 761..801, 952..1077, 1209..2739, 2793..4286, 4411..4606, 5804..5856, 5985..6432, 6506..6604, 6711..6863, 6965..7218, 7328..7514, 7614..7832		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o1.tw	Method	TBLASTX:Wheat
Start	985	End	1414
GI	none	Score	153
Exons	985..1011, 1067..1414, 1068..1406		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o1.np	Method	AAT/NAP
Start	1698	End	3651
GI	6649097	Score	958
Exons	1698..1729, 2784..3651		
GI Descrip.	(AF146275) resistance gene analog PIC27 [Oryza sativa]		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o3.ts	Method	TBLASTX:Soybean
Start	2072	End	3117
GI	none	Score	79
Exons	2072..2299, 2357..2491, 2400..2531, 2720..2776, 2818..2862, 2896..3117		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839

Name	OJ000222_19.0322.C13.o3.tm	Method	TBLASTX:Maize
Start	2819	End	3333
GI	none	Score	79
Exons	2819..3043, 2824..3195, 3223..3333		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o1.tc	Method	TBLASTX:Cress
Start	2941	End	3693
GI	none	Score	63
Exons	2941..3027, 3028..3183, 3223..3279, 3397..3486, 3553..3693, 3626..3667		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o1.ts	Method	TBLASTX:Soybean
Start	3118	End	3660
GI	none	Score	62
Exons	3118..3195, 3119..3184, 3220..3354, 3346..3591, 3595..3660		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o1.gp	Method	AAT/GAP
Start	3929	End	4349
GI	701907	Score	689
Exons	3929..4349		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o1.tm	Method	TBLASTX:Maize
Start	5817	End	6922
GI	none	Score	40
Exons	5817..5858, 5818..5859, 5942..5968, 5944..5988, 5944..5982, 6008..6031, 6024..6140, 6037..6138, 6037..6141, 6208..6321, 6209..6322, 6218..6325, 6299..6451, 6299..6370, 6374..6433, 6379..6435, 6500..6604, 6508..6600, 6569..6601, 6701..6838, 6708..6878, 6712..6891, 6887..6922		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o3.gp	Method	AAT/GAP
Start	6268	End	7007
GI	none	Score	1068
Exons	6268..6432, 6506..6604, 6711..7007		

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o2.ts	Method	TBLASTX:Soybean
Start	6338	End	7772
GI	none	Score	47
Exons	6338..6364, 6380..6424, 6391..6420, 6498..6605, 6500..6604,		

6724..6795, 6726..6803, 7695..7772

Seq. No.	41992	Seq. ID	OJ000222_19.0322.C13
Gene No.	87171	Strand	-
Start	391	End	7839
Name	OJ000222_19.0322.C13.o2.tm	Method	TBLASTX:Maize
Start	7066	End	7839
GI	none	Score	41
Exons	7066..7131, 7075..7131, 7121..7216, 7158..7208, 7293..7349, 7294..7347, 7345..7362, 7350..7514, 7373..7516, 7374..7520, 7375..7533, 7415..7546, 7594..7713, 7602..7757, 7614..7766, 7774..7794, 7792..7839, 7793..7828		

Seq. No.	41993	Seq. ID	OJ000222_19.0322.C14
Gene No.	87172	Strand	-
Start	53	End	3053
Name	OJ000222_19.0322.C14.o1.gp	Method	AAT/GAP
Start	53	End	1193
GI	none	Score	939
Exons	53..300, 404..574, 1097..1193		

Seq. No.	41993	Seq. ID	OJ000222_19.0322.C14
Gene No.	87172	Strand	-
Start	53	End	3053
Name	OJ000222_19.0322.C14.o1.gs	Method	GENSCAN
Start	166	End	3053
GI	none	Score	.71
Exons	166..300, 404..574, 1097..1208, 1586..1641, 1714..1812, 2532..2765, 2889..2942, 2994..3053		

Seq. No.	41993	Seq. ID	OJ000222_19.0322.C14
Gene No.	87172	Strand	-
Start	53	End	3053
Name	OJ000222_19.0322.C14.o1.tm	Method	TBLASTX:Maize
Start	2480	End	2948
GI	none	Score	76
Exons	2480..2608, 2509..2607, 2512..2739, 2529..2768, 2821..2943, 2889..2948		

Seq. No.	41994	Seq. ID	OJ000222_19.0322.C15
Gene No.	87173	Strand	-
Start	97	End	3616
Name	OJ000222_19.0322.C15.o1.gs	Method	GENSCAN
Start	97	End	3616
GI	none	Score	.52
Exons	97..187, 3516..3616		

Seq. No.	41995	Seq. ID	OJ000222_19.0322.C16
Gene No.	87174	Strand	-
Start	1512	End	2303
Name	OJ000222_19.0322.C16.o1.gs	Method	GENSCAN
Start	1512	End	2303
GI	none	Score	.91
Exons	1512..2303		

Seq. No.	41996	Seq. ID	OJ000222_18.0322.C1
Gene No.	87175	Strand	+

Start	2025	End	3275
Name	OJ000222_18.0322.C1.o2.gs	Method	GENSCAN
Start	2025	End	3207
GI	none	Score	.65
Exons	2025..2096, 2143..2228, 2488..2638, 2707..2860, 2887..3207		

Seq. No.	41996	Seq. ID	OJ000222_18.0322.C1
Gene No.	87175	Strand	+
Start	2025	End	3275
Name	OJ000222_18.0322.C1.o1.np	Method	AAT/NAP
Start	2856	End	3275
GI	4204315	Score	175
Exons	2856..3275		
GI Descrip.	(AC003027) Unknown protein [Arabidopsis thaliana]		

Seq. No.	41996	Seq. ID	OJ000222_18.0322.C1
Gene No.	87175	Strand	+
Start	2025	End	3275
Name	OJ000222_18.0322.C1.o1.ts	Method	TBLASTX:Soybean
Start	2928	End	3141
GI	none	Score	152
Exons	2928..3047, 2946..3083, 2948..3082, 3054..3119, 3079..3141		

Seq. No.	41997	Seq. ID	OJ000222_18.0322.C2
Gene No.	87176	Strand	+
Start	1	End	2963
Name	OJ000222_18.0322.C2.o1.np	Method	AAT/NAP
Start	1	End	2963
GI	7248395	Score	763
Exons	1..221, 1910..2963		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	41997	Seq. ID	OJ000222_18.0322.C2
Gene No.	87176	Strand	+
Start	1	End	2963
Name	OJ000222_18.0322.C2.o1.gs	Method	GENSCAN
Start	457	End	2543
GI	none	Score	.85
Exons	457..480, 833..1352, 1363..1527, 1987..2543		

Seq. No.	41997	Seq. ID	OJ000222_18.0322.C2
Gene No.	87176	Strand	+
Start	1	End	2963
Name	OJ000222_18.0322.C2.o3.np	Method	AAT/NAP
Start	1248	End	2637
GI	7106512	Score	648
Exons	1248..1301, 1915..2637		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	41997	Seq. ID	OJ000222_18.0322.C2
Gene No.	87177	Strand	+
Start	5480	End	5671
Name	OJ000222_18.0322.C2.o4.np	Method	AAT/NAP
Start	5480	End	5671
GI	7106512	Score	80
Exons	5480..5540, 5614..5671		

GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	41997	Seq. ID	OJ000222_18.0322.C2
Gene No.	87178	Strand	-
Start	3226	End	3478
Name	OJ000222_18.0322.C2.o2.np	Method	AAT/NAP
Start	3226	End	3478
GI	7106513	Score	170
Exons	3226..3334, 3435..3478		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		
Seq. No.	41998	Seq. ID	OJ000222_18.0322.C3
Gene No.	87179	Strand	+
Start	1	End	3351
Name	OJ000222_18.0322.C3.o1.np	Method	AAT/NAP
Start	1	End	3351
GI	4958867	Score	260
Exons	1..63, 90..250, 3232..3351		
GI Descrip.	(AB027572) RNA polymerase subunit beta [Triticum aestivum]		
Seq. No.	41998	Seq. ID	OJ000222_18.0322.C3
Gene No.	87180	Strand	+
Start	4196	End	5458
Name	OJ000222_18.0322.C3.o2.gs	Method	GENSCAN
Start	4196	End	5458
GI	none	Score	.72
Exons	4196..4370, 5340..5458		
Seq. No.	41998	Seq. ID	OJ000222_18.0322.C3
Gene No.	87181	Strand	+
Start	8703	End	10623
Name	OJ000222_18.0322.C3.o1.gp	Method	AAT/GAP
Start	8703	End	10588
GI	5004001	Score	822
Exons	8703..8922, 10384..10588		
Seq. No.	41998	Seq. ID	OJ000222_18.0322.C3
Gene No.	87181	Strand	+
Start	8703	End	10623
Name	OJ000222_18.0322.C3.o4.gs	Method	GENSCAN
Start	10192	End	10623
GI	none	Score	.57
Exons	10192..10227, 10384..10623		
Seq. No.	41998	Seq. ID	OJ000222_18.0322.C3
Gene No.	87182	Strand	-
Start	6241	End	9154
Name	OJ000222_18.0322.C3.o3.gs	Method	GENSCAN
Start	6241	End	9154
GI	none	Score	.8
Exons	6241..6395, 9013..9154		
Seq. No.	41998	Seq. ID	OJ000222_18.0322.C3
Gene No.	87182	Strand	-
Start	6241	End	9154
Name	OJ000222_18.0322.C3.o2.np	Method	AAT/NAP

Start	7827	End	7915
GI	5852084	Score	86
Exons	7827..7915		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	41998	Seq. ID	OJ000222_18.0322.C3
Gene No.	87183	Strand	-
Start	11862	End	11921
Name	OJ000222_18.0322.C3.o1.ts	Method	TBLASTX:Soybean
Start	10	End	236
GI	none	Score	75
Exons	10..84, 13..84, 79..204, 81..197, 83..235, 84..236		

Seq. No.	41998	Seq. ID	OJ000222_18.0322.C3
Gene No.	87183	Strand	-
Start	11862	End	11921
Name	OJ000222_18.0322.C3.o5.gs	Method	GENSCAN
Start	11862	End	11921
GI	none	Score	.42
Exons	11862..11921		

Seq. No.	41999	Seq. ID	OJ000222_18.0322.C4
Gene No.	87184	Strand	+
Start	283	End	3826
Name	OJ000222_18.0322.C4.o1.gs	Method	GENSCAN
Start	283	End	3826
GI	none	Score	.8
Exons	283..393, 669..757, 796..862, 1692..1838, 3758..3826		

Seq. No.	41999	Seq. ID	OJ000222_18.0322.C4
Gene No.	87185	Strand	-
Start	123	End	1121
Name	OJ000222_18.0322.C4.o1.np	Method	AAT/NAP
Start	123	End	1121
GI	6721516	Score	575
Exons	123..471, 886..1121		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42000	Seq. ID	OJ000222_18.0322.C5
Gene No.	87186	Strand	+
Start	2741	End	3703
Name	OJ000222_18.0322.C5.o1.gs	Method	GENSCAN
Start	2741	End	3703
GI	none	Score	.76
Exons	2741..2944, 3056..3703		

Seq. No.	42000	Seq. ID	OJ000222_18.0322.C5
Gene No.	87187	Strand	-
Start	5703	End	7334
Name	OJ000222_18.0322.C5.o2.gs	Method	GENSCAN
Start	5703	End	7235
GI	none	Score	.61
Exons	5703..5942, 7143..7235		

Seq. No.	42000	Seq. ID	OJ000222_18.0322.C5
Gene No.	87187	Strand	-
Start	5703	End	7334

Name	OJ000222_18.0322.C5.o1.gp	Method	AAT/GAP
Start	5764	End	7334
GI	2311945	Score	663
Exons	5764..5942, 7143..7334		

Seq. No.	42001	Seq. ID	OJ000222_18.0322.C6
Gene No.	87188	Strand	+
Start	1	End	1517
Name	OJ000222_18.0322.C6.o1.np	Method	AAT/NAP
Start	1	End	1517
GI	5690095	Score	517
Exons	1..27, 544..1517		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	42001	Seq. ID	OJ000222_18.0322.C6
Gene No.	87188	Strand	+
Start	1	End	1517
Name	OJ000222_18.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	1240	End	1517
GI	none	Score	138
Exons	1240..1389, 1240..1371, 1416..1517, 1417..1512		

Seq. No.	42002	Seq. ID	OJ000222_18.0322.C7
Gene No.	87189	Strand	-
Start	1	End	728
Name	OJ000222_18.0322.C7.o1.np	Method	AAT/NAP
Start	1	End	728
GI	2126090	Score	1266
Exons	1..728		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	42003	Seq. ID	OJ000222_18.0322.C9
Gene No.	87190	Strand	+
Start	1530	End	3057
Name	OJ000222_18.0322.C9.o1.gs	Method	GENSCAN
Start	1530	End	3057
GI	none	Score	.99
Exons	1530..2260, 2403..3057		

Seq. No.	42003	Seq. ID	OJ000222_18.0322.C9
Gene No.	87191	Strand	+
Start	4959	End	5872
Name	OJ000222_18.0322.C9.o2.gs	Method	GENSCAN
Start	4959	End	5872
GI	none	Score	.76
Exons	4959..4994, 5450..5872		

Seq. No.	42003	Seq. ID	OJ000222_18.0322.C9
Gene No.	87192	Strand	+
Start	7259	End	11924
Name	OJ000222_18.0322.C9.o3.gs	Method	GENSCAN
Start	7259	End	11924

GI	none	Score	.45
Exons	7259..7412, 7508..7571, 8113..8484, 9340..9489, 9573..10245, 11767..11924		

Seq. No.	42003	Seq. ID	OJ000222_18.0322.C9
Gene No.	87193	Strand	+
Start	11961	End	12049
Name	OJ000222_18.0322.C9.o1.gp	Method	AAT/GAP
Start	11961	End	12049
GI	32197_1.R1084	Score	122
Exons	11961..12049		
GI Descrip.	'4455192/emb|CAB36515.1| 2.0e-13 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	42003	Seq. ID	OJ000222_18.0322.C9
Gene No.	87194	Strand	-
Start	7118	End	12129
Name	OJ000222_18.0322.C9.o1.np	Method	AAT/NAP
Start	7118	End	12129
GI	7340909	Score	182
Exons	7118..7296, 10153..10481, 12088..12129		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42004	Seq. ID	OJ000222_18.0322.C10
Gene No.	87195	Strand	+
Start	921	End	2717
Name	OJ000222_18.0322.C10.o1.gs	Method	GENSCAN
Start	921	End	1946
GI	none	Score	.78
Exons	921..1242, 1669..1946		

Seq. No.	42004	Seq. ID	OJ000222_18.0322.C10
Gene No.	87195	Strand	+
Start	921	End	2717
Name	OJ000222_18.0322.C10.o1.np	Method	AAT/NAP
Start	1319	End	2717
GI	6017097	Score	168
Exons	1319..1431, 1539..1581, 1669..1764, 2574..2717		
GI Descrip.	(AC009895) hypothetical protein [Arabidopsis thaliana] gi|6091766|gb|AAF03476.1|AC009327_15 (AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42004	Seq. ID	OJ000222_18.0322.C10
Gene No.	87196	Strand	+
Start	3318	End	5584
Name	OJ000222_18.0322.C10.o2.np	Method	AAT/NAP
Start	3318	End	5584
GI	7484897	Score	341
Exons	3318..3534, 4572..4659, 4790..4981, 5486..5584		
GI Descrip.	cytochrome P450 homolog F23E13.220 - Arabidopsis thaliana gi|2961392|emb|CAA18139.1| (AL022141) cytochrome P450 like protein (fragment) [Arabidopsis thaliana]		

Seq. No.	42004	Seq. ID	OJ000222_18.0322.C10
Gene No.	87197	Strand	-
Start	3331	End	7507
Name	OJ000222_18.0322.C10.o1.tm	Method	TBLASTX:Maize

Start	929	End	2729
GI	none	Score	85
Exons	929..1000, 931..1020, 933..1010, 1125..1166, 1146..1166, 1321..1446, 1326..1445, 1489..1542, 1490..1516, 1520..1579, 1524..1580, 1525..1590, 1667..1747, 1668..1760, 2649..2729		

Seq. No.	42004	Seq. ID	OJ000222_18.0322.C10
Gene No.	87197	Strand	-
Start	3331	End	7507
Name	OJ000222_18.0322.C10.o1.tw	Method	TBLASTX:Wheat
Start	1194	End	2715
GI	none	Score	74
Exons	1194..1244, 1198..1245, 1198..1245, 1320..1430, 1321..1431, 1323..1430, 1533..1580, 1533..1583, 1537..1590, 1666..1809, 1667..1762, 2647..2715		

Seq. No.	42004	Seq. ID	OJ000222_18.0322.C10
Gene No.	87197	Strand	-
Start	3331	End	7507
Name	OJ000222_18.0322.C10.o2.tm	Method	TBLASTX:Maize
Start	3296	End	5588
GI	none	Score	72
Exons	3296..3346, 3296..3346, 3336..3389, 3385..3531, 3400..3534, 3447..3536, 4569..4613, 4570..4602, 4591..4635, 4592..4636, 4615..4671, 4633..4671, 4634..4654, 4787..4891, 4789..4896, 4790..4894, 4896..4958, 4897..4959, 4898..4963, 5452..5586, 5460..5588		

Seq. No.	42004	Seq. ID	OJ000222_18.0322.C10
Gene No.	87197	Strand	-
Start	3331	End	7507
Name	OJ000222_18.0322.C10.o2.gs	Method	GENSCAN
Start	3331	End	7507
GI	none	Score	.71
Exons	3331..3637, 4874..5008, 6014..6048, 7210..7289, 7444..7507		

Seq. No.	42005	Seq. ID	OJ000222_18.0322.C11
Gene No.	87198	Strand	+
Start	1	End	1712
Name	OJ000222_18.0322.C11.o1.np	Method	AAT/NAP
Start	1	End	1712
GI	6566263	Score	105
Exons	1..241, 1680..1712		
GI Descrip.	(AB008015) similar to xylan endohydrolase [Arabidopsis thaliana]		

Seq. No.	42006	Seq. ID	OJ000222_18.0322.C12
Gene No.	87199	Strand	+
Start	76	End	5078
Name	OJ000222_18.0322.C12.o1.gs	Method	GENSCAN
Start	76	End	5078
GI	none	Score	.63
Exons	76..176, 818..946, 2302..2634, 2926..3071, 4358..4516, 4943..5078		

Seq. No.	42006	Seq. ID	OJ000222_18.0322.C12
Gene No.	87200	Strand	+
Start	5119	End	5316

Name	OJ000222_18.0322.C12.o1.gp	Method	AAT/GAP
Start	5119	End	5316
GI	2797770	Score	244
Exons	5119..5316		

Seq. No.	42006	Seq. ID	OJ000222_18.0322.C12
Gene No.	87201	Strand	-
Start	1744	End	2678
Name	OJ000222_18.0322.C12.o1.np	Method	AAT/NAP
Start	1744	End	2678
GI	6069646	Score	304
Exons	1744..2678		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42006	Seq. ID	OJ000222_18.0322.C12
Gene No.	87201	Strand	-
Start	1744	End	2678
Name	OJ000222_18.0322.C12.o1.tm	Method	TBLASTX:Maize
Start	1783	End	2300
GI	none	Score	126
Exons	1783..1866, 1868..1957, 2012..2212, 2046..2213, 2079..2213, 2256..2300		

Seq. No.	42007	Seq. ID	OJ000222_18.0322.C15
Gene No.	87202	Strand	+
Start	1	End	4812
Name	OJ000222_18.0322.C15.o3.np	Method	AAT/NAP
Start	1	End	3442
GI	4680183	Score	115
Exons	1..33, 3354..3442		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42007	Seq. ID	OJ000222_18.0322.C15
Gene No.	87202	Strand	+
Start	1	End	4812
Name	OJ000222_18.0322.C15.o4.np	Method	AAT/NAP
Start	2807	End	4812
GI	6815109	Score	328
Exons	2807..2841, 4149..4239, 4307..4812		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42007	Seq. ID	OJ000222_18.0322.C15
Gene No.	87203	Strand	-
Start	988	End	4422
Name	OJ000222_18.0322.C15.o1.np	Method	AAT/NAP
Start	988	End	4422
GI	7486726	Score	424
Exons	988..1905, 4399..4422		
GI Descrip.	hypothetical protein F9D12.2 - Arabidopsis thaliana gi|3319345|gb|AAC26234.1| (AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	42007	Seq. ID	OJ000222_18.0322.C15

Gene No.	87203	Strand	-
Start	988	End	4422
Name	OJ000222_18.0322.C15.o1.ts	Method	TBLASTX:Soybean
Start	1178	End	1576
GI	none	Score	200
Exons	1178..1576		

Seq. No.	42007	Seq. ID	OJ000222_18.0322.C15
Gene No.	87203	Strand	-
Start	988	End	4422
Name	OJ000222_18.0322.C15.o2.np	Method	AAT/NAP
Start	1260	End	3321
GI	6721561	Score	127
Exons	1260..1278, 3231..3321		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42007	Seq. ID	OJ000222_18.0322.C15
Gene No.	87203	Strand	-
Start	988	End	4422
Name	OJ000222_18.0322.C15.o1.gp	Method	AAT/GAP
Start	2616	End	2723
GI	uC-osflcyp088b12b1	Score	134
Exons	2616..2723		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	42008	Seq. ID	OJ000222_18.0322.C16
Gene No.	87204	Strand	-
Start	223	End	952
Name	OJ000222_18.0322.C16.o1.gs	Method	GENSCAN
Start	223	End	952
GI	none	Score	.74
Exons	223..288, 753..952		

Seq. No.	42009	Seq. ID	OJ000222_18.0322.C17
Gene No.	87205	Strand	+
Start	699	End	2756
Name	OJ000222_18.0322.C17.o1.gp	Method	AAT/GAP
Start	699	End	2756
GI	none	Score	856
Exons	699..904, 2386..2516, 2625..2756		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87206	Strand	+
Start	6439	End	13449
Name	OJ000222_18.0322.C18.o4.gs	Method	GENSCAN
Start	6439	End	13449
GI	none	Score	.45
Exons	6439..6526, 7540..7607, 7773..8522, 8609..8701, 8789..8870, 8999..9064, 10115..10759, 10877..10959, 11168..11254, 11479..13449		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18

Gene No.	87206	Strand	+
Start	6439	End	13449
Name	OJ000222_18.0322.C18.o1.gp	Method	AAT/GAP
Start	10900	End	11150
GI	699647	Score	468
Exons	10900..11150		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87206	Strand	+
Start	6439	End	13449
Name	OJ000222_18.0322.C18.o2.gp	Method	AAT/GAP
Start	11626	End	12101
GI	none	Score	930
Exons	11626..12101		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87206	Strand	+
Start	6439	End	13449
Name	OJ000222_18.0322.C18.o3.gp	Method	AAT/GAP
Start	13020	End	13280
GI	3107763	Score	494
Exons	13020..13280		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87207	Strand	-
Start	23	End	550
Name	OJ000222_18.0322.C18.o1.gs	Method	GENSCAN
Start	23	End	550
GI	none	Score	.98
Exons	23..550		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87208	Strand	-
Start	640	End	6913
Name	OJ000222_18.0322.C18.o1.np	Method	AAT/NAP
Start	640	End	6913
GI	4218011	Score	1136
Exons	640..690, 2318..2908, 3011..3081, 3173..3254, 3451..3885, 4677..4778, 6346..6913		
GI Descrip.	(AC006135) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87208	Strand	-
Start	640	End	6913
Name	OJ000222_18.0322.C18.o2.gs	Method	GENSCAN
Start	1107	End	1460
GI	none	Score	.56
Exons	1107..1252, 1400..1460		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87208	Strand	-
Start	640	End	6913
Name	OJ000222_18.0322.C18.o3.gs	Method	GENSCAN
Start	2234	End	4269
GI	none	Score	.93
Exons	2234..2908, 3011..3081, 3173..3259, 3456..3950, 4044..4269		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87208	Strand	-
Start	640	End	6913
Name	OJ000222_18.0322.C18.o2.tm	Method	TBLASTX:Maize
Start	2441	End	3646
GI	none	Score	238
Exons	2441..2638, 2660..2908, 2685..2909, 2742..2909, 3008..3079, 3017..3079, 3168..3248, 3171..3257, 3175..3258, 3178..3261, 3451..3516, 3455..3511, 3499..3645, 3500..3646		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87208	Strand	-
Start	640	End	6913
Name	OJ000222_18.0322.C18.o1.ts	Method	TBLASTX:Soybean
Start	2597	End	3248
GI	none	Score	208
Exons	2597..2638, 2660..2704, 2717..2908, 2724..2909, 3008..3079, 3171..3248		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87208	Strand	-
Start	640	End	6913
Name	OJ000222_18.0322.C18.o1.tw	Method	TBLASTX:Wheat
Start	2729	End	3251
GI	none	Score	95
Exons	2729..2908, 2730..2912, 3008..3079, 3171..3251		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87208	Strand	-
Start	640	End	6913
Name	OJ000222_18.0322.C18.o2.tc	Method	TBLASTX:Cress
Start	2741	End	3079
GI	none	Score	168
Exons	2741..2908, 2742..2912, 3008..3079		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87208	Strand	-
Start	640	End	6913
Name	OJ000222_18.0322.C18.o1.tc	Method	TBLASTX:Cress
Start	3168	End	3774
GI	none	Score	92
Exons	3168..3290, 3168..3257, 3451..3774, 3455..3754, 3634..3765		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87208	Strand	-
Start	640	End	6913
Name	OJ000222_18.0322.C18.o2.ts	Method	TBLASTX:Soybean
Start	3443	End	3754
GI	none	Score	301
Exons	3443..3754, 3454..3753		

Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87208	Strand	-
Start	640	End	6913
Name	OJ000222_18.0322.C18.o2.tw	Method	TBLASTX:Wheat
Start	3529	End	3748
GI	none	Score	151

Exons	3529..3747, 3533..3748		
Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87209	Strand	
Start	7533	End	8027
Name	OJ000222_18.0322.C18.o3.tc	Method	TBLASTX:Cress
Start	7533	End	8027
GI	none	Score	67
Exons	7533..7589, 7745..8005, 7773..8027		
Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87210	Strand	
Start	10984	End	11290
Name	OJ000222_18.0322.C18.o3.tm	Method	TBLASTX:Maize
Start	10984	End	11290
GI	none	Score	60
Exons	10984..11028, 10986..11024, 11093..11116, 11093..11272, 11094..11285, 11095..11286, 11095..11286, 11177..11290		
Seq. No.	42010	Seq. ID	OJ000222_18.0322.C18
Gene No.	87211	Strand	
Start	12490	End	13425
Name	OJ000222_18.0322.C18.o1.tm	Method	TBLASTX:Maize
Start	12490	End	13425
GI	none	Score	102
Exons	12490..12570, 12493..12564, 12616..12666, 12617..12682, 12617..12682, 12670..12801, 12673..12804, 12708..12821, 12814..12912, 12816..12911, 12830..12928, 12915..12971, 12922..13008, 12931..12999, 12994..13092, 12994..13089, 13128..13307, 13146..13424, 13156..13425		
Seq. No.	42011	Seq. ID	OJ000302_12.0323.C1
Gene No.	87212	Strand	+
Start	352	End	2481
Name	OJ000302_12.0323.C1.o1.gs	Method	GENSCAN
Start	352	End	2481
GI	none	Score	.79
Exons	352..439, 489..554, 736..808, 1007..1122, 1838..1946, 2408..2481		
Seq. No.	42011	Seq. ID	OJ000302_12.0323.C1
Gene No.	87213	Strand	+
Start	4448	End	5506
Name	OJ000302_12.0323.C1.o3.gs	Method	GENSCAN
Start	4448	End	5506
GI	none	Score	.81
Exons	4448..4529, 4999..5369, 5408..5506		
Seq. No.	42011	Seq. ID	OJ000302_12.0323.C1
Gene No.	87214	Strand	+
Start	6046	End	7104
Name	OJ000302_12.0323.C1.o3.np	Method	AAT/NAP
Start	6046	End	7104
GI	6907106	Score	416
Exons	6046..6275, 6425..6815, 6889..7104		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42011	Seq. ID	OJ000302_12.0323.C1
Gene No.	87215	Strand	-
Start	1	End	4885
Name	OJ000302_12.0323.C1.o1.np	Method	AAT/NAP
Start	1	End	885
GI	6907086	Score	843
Exons	1..44, 106..885		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42011	Seq. ID	OJ000302_12.0323.C1
Gene No.	87215	Strand	-
Start	1	End	4885
Name	OJ000302_12.0323.C1.o2.np	Method	AAT/NAP
Start	72	End	4885
GI	4680186	Score	166
Exons	72..90, 1818..2001, 2470..2567, 4858..4885		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42011	Seq. ID	OJ000302_12.0323.C1
Gene No.	87215	Strand	-
Start	1	End	4885
Name	OJ000302_12.0323.C1.o2.gs	Method	GENSCAN
Start	2912	End	3438
GI	none	Score	.95
Exons	2912..3074, 3320..3438		

Seq. No.	42011	Seq. ID	OJ000302_12.0323.C1
Gene No.	87216	Strand	-
Start	5884	End	7276
Name	OJ000302_12.0323.C1.o4.gs	Method	GENSCAN
Start	5884	End	7276
GI	none	Score	.78
Exons	5884..6414, 6420..6575, 6993..7150, 7177..7276		

Seq. No.	42011	Seq. ID	OJ000302_12.0323.C1
Gene No.	87216	Strand	-
Start	5884	End	7276
Name	OJ000302_12.0323.C1.o1.tm	Method	TBLASTX:Maize
Start	6651	End	7005
GI	none	Score	224
Exons	6651..6860, 6651..6857, 6727..6867, 6868..6921, 6875..6943, 6875..6985, 6958..7005		

Seq. No.	42012	Seq. ID	OJ000302_12.0323.C2
Gene No.	87217	Strand	+
Start	171	End	621
Name	OJ000302_12.0323.C2.o1.gs	Method	GENSCAN
Start	171	End	621
GI	none	Score	.89
Exons	171..345, 384..416, 432..512, 605..621		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87218	Strand	+
Start	479	End	4021
Name	OJ000302_12.0323.C3.o1.gs	Method	GENSCAN
Start	479	End	4021
GI	none	Score	.51

Exons	479..529, 1999..2147, 2332..2468, 3906..4021		
Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87219	Strand	+
Start	6335	End	7562
Name	OJ000302_12.0323.C3.o3.gs	Method	GENSCAN
Start	6335	End	7562
GI	none	Score	.86
Exons	6335..6442, 6834..7562		
Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87220	Strand	+
Start	8395	End	8955
Name	OJ000302_12.0323.C3.o4.gs	Method	GENSCAN
Start	8395	End	8955
GI	none	Score	.87
Exons	8395..8955		
Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87221	Strand	+
Start	11435	End	13323
Name	OJ000302_12.0323.C3.o1.np	Method	AAT/NAP
Start	11435	End	13323
GI	7340873	Score	1150
Exons	11435..11675, 11735..13323		
GI Descrip.	(AP001551) Similar to Arabidopsis thaliana chromosome 4 BAC clone F28A21 ; putative protein. (AL035526) [Oryza sativa]		
Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87222	Strand	+
Start	15373	End	16401
Name	OJ000302_12.0323.C3.o7.gs	Method	GENSCAN
Start	15373	End	16401
GI	none	Score	1
Exons	15373..16401		
Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87223	Strand	+
Start	16831	End	17193
Name	OJ000302_12.0323.C3.o2.gp	Method	AAT/GAP
Start	16831	End	17193
GI	none	Score	674
Exons	16831..17193		
Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87224	Strand	+
Start	22391	End	23692
Name	OJ000302_12.0323.C3.o9.gs	Method	GENSCAN
Start	22391	End	23692
GI	none	Score	.61
Exons	22391..22584, 22727..22872, 22965..23215, 23489..23692		
Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87225	Strand	-
Start	4571	End	5812
Name	OJ000302_12.0323.C3.o2.gs	Method	GENSCAN
Start	4571	End	5812

GI	none	Score	.63
Exons	4571..5196, 5458..5812		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87225	Strand	-
Start	4571	End	5812
Name	OJ000302_12.0323.C3.o1.gp	Method	AAT/GAP
Start	4710	End	5179
GI	none	Score	817
Exons	4710..5179		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87226	Strand	-
Start	9372	End	9731
Name	OJ000302_12.0323.C3.o5.gs	Method	GENSCAN
Start	9372	End	9731
GI	none	Score	.8
Exons	9372..9731		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	11564	End	13135
GI	none	Score	52
Exons	11564..11674, 11749..11913, 11764..12006, 11764..11925, 11800..11877, 11871..12194, 11881..12225, 11896..12294, 11950..12192, 12072..12191, 12088..12483, 12193..13035, 12193..12519, 12297..12623, 12336..12482, 12705..13037, 13076..13135		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o2.tc	Method	TBLASTX:Cress
Start	11740	End	12771
GI	none	Score	92
Exons	11740..11970, 11791..12273, 12108..12245, 12109..12672, 12670..12771		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o3.ts	Method	TBLASTX:Soybean
Start	11764	End	12483
GI	none	Score	164
Exons	11764..12123, 12046..12426, 12072..12269, 12321..12425, 12346..12483		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o1.tw	Method	TBLASTX:Wheat
Start	11848	End	12624
GI	none	Score	182
Exons	11848..12270, 12157..12624		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o2.ts	Method	TBLASTX:Soybean
Start	12498	End	12960
GI	none	Score	364
Exons	12498..12605, 12499..12960, 12702..12959		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o1.tc	Method	TBLASTX:Cress
Start	12795	End	13332
GI	none	Score	503
Exons	12795..13325, 12799..13332		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o1.ts	Method	TBLASTX:Soybean
Start	12961	End	13344
GI	none	Score	410
Exons	12961..13344, 13044..13325		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o2.tm	Method	TBLASTX:Maize
Start	13136	End	13328
GI	none	Score	147
Exons	13136..13207, 13137..13256, 13137..13328, 13138..13326		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o4.tm	Method	TBLASTX:Maize
Start	17035	End	17207
GI	none	Score	210
Exons	17035..17202, 17037..17207, 17038..17196		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o8.gs	Method	GENSCAN
Start	17656	End	20258
GI	none	Score	.67
Exons	17656..17717, 18889..18930, 19049..19207, 19273..19410, 20000..20258		

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o3.tm	Method	TBLASTX:Maize
Start	19140	End	20258
GI	none	Score	92
Exons	19140..19196, 19140..19196, 19141..19197, 19265..19414, 19268..19411, 19272..19424, 20001..20087, 20001..20087,		

20184..20219, 20208..20258

Seq. No.	42013	Seq. ID	OJ000302_12.0323.C3
Gene No.	87227	Strand	-
Start	17656	End	20296
Name	OJ000302_12.0323.C3.o3.gp	Method	AAT/GAP
Start	20000	End	20296
GI	none	Score	490
Exons	20000..20296		

Seq. No.	42014	Seq. ID	OJ000302_12.0323.C4
Gene No.	87228	Strand	+
Start	2144	End	5249
Name	OJ000302_12.0323.C4.o2.np	Method	AAT/NAP
Start	2144	End	5249
GI	7340868	Score	181
Exons	2144..2261, 3830..4007, 5198..5249		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42014	Seq. ID	OJ000302_12.0323.C4
Gene No.	87228	Strand	+
Start	2144	End	5249
Name	OJ000302_12.0323.C4.o1.np	Method	AAT/NAP
Start	2443	End	2592
GI	6069646	Score	82
Exons	2443..2592		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42014	Seq. ID	OJ000302_12.0323.C4
Gene No.	87229	Strand	-
Start	5660	End	5824
Name	OJ000302_12.0323.C4.o2.gs	Method	GENSCAN
Start	5660	End	5824
GI	none	Score	.54
Exons	5660..5824		

Seq. No.	42015	Seq. ID	OJ000302_12.0323.C5
Gene No.	87230	Strand	+
Start	1813	End	2436
Name	OJ000302_12.0323.C5.o1.gs	Method	GENSCAN
Start	1813	End	2436
GI	none	Score	.58
Exons	1813..1857, 2323..2436		

Seq. No.	42015	Seq. ID	OJ000302_12.0323.C5
Gene No.	87231	Strand	+
Start	3450	End	5979
Name	OJ000302_12.0323.C5.o2.gs	Method	GENSCAN
Start	3450	End	5979
GI	none	Score	.68
Exons	3450..3505, 4142..4209, 4589..4649, 5523..5755, 5975..5979		

Seq. No.	42015	Seq. ID	OJ000302_12.0323.C5

Gene No.	87232	Strand	-
Start	410	End	2589
Name	OJ000302_12.0323.C5.o1.np	Method	AAT/NAP
Start	410	End	2260
GI	7523502	Score	169
Exons	410..498, 1740..1880, 2148..2260		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42015	Seq. ID	OJ000302_12.0323.C5
Gene No.	87232	Strand	-
Start	410	End	2589
Name	OJ000302_12.0323.C5.o1.gp	Method	AAT/GAP
Start	2132	End	2589
GI	4968598	Score	815
Exons	2132..2589		

Seq. No.	42015	Seq. ID	OJ000302_12.0323.C5
Gene No.	87233	Strand	-
Start	6170	End	7620
Name	OJ000302_12.0323.C5.o2.np	Method	AAT/NAP
Start	6170	End	7620
GI	4006827	Score	932
Exons	6170..7620		
GI Descrip.	(AC005970) putative serine protease [Arabidopsis thaliana]		

Seq. No.	42015	Seq. ID	OJ000302_12.0323.C5
Gene No.	87233	Strand	-
Start	6170	End	7620
Name	OJ000302_12.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	6173	End	7618
GI	none	Score	76
Exons	6173..6241, 6278..6370, 6443..6484, 6542..6691, 6716..7051, 6777..6878, 6791..6979, 6930..7067, 7100..7183, 7250..7315, 7328..7618, 7371..7610		

Seq. No.	42015	Seq. ID	OJ000302_12.0323.C5
Gene No.	87233	Strand	-
Start	6170	End	7620
Name	OJ000302_12.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	6179	End	7619
GI	none	Score	207
Exons	6179..6244, 6524..6691, 6695..7051, 6714..7028, 7121..7219, 7250..7315, 7367..7447, 7380..7448, 7442..7618, 7443..7619		

Seq. No.	42015	Seq. ID	OJ000302_12.0323.C5
Gene No.	87233	Strand	-
Start	6170	End	7620
Name	OJ000302_12.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	6188	End	7595
GI	none	Score	47
Exons	6188..6241, 6287..6361, 6452..6484, 6539..6691, 6713..6856, 6791..6853, 6857..7051, 6858..6893, 6860..7000, 6927..7052, 7100..7183, 7140..7181, 7194..7244, 7253..7315, 7328..7594, 7368..7595		

Seq. No.	42015	Seq. ID	OJ000302_12.0323.C5
Gene No.	87233	Strand	-

Start	6170	End	7620
Name	OJ000302_12.0323.C5.o2.tw	Method	TBLASTX:Wheat
Start	6740	End	7036
GI	none	Score	59
Exons	6740..6874, 6813..6875, 6926..6979, 6930..7016, 6992..7036		

Seq. No.	42015	Seq. ID	OJ000302_12.0323.C5
Gene No.	87233	Strand	-
Start	6170	End	7620
Name	OJ000302_12.0323.C5.o1.tw	Method	TBLASTX:Wheat
Start	7247	End	7612
GI	none	Score	134
Exons	7247..7315, 7328..7612, 7329..7571		

Seq. No.	42016	Seq. ID	OJ000302_12.0323.C6
Gene No.	87234	Strand	-
Start	1	End	546
Name	OJ000302_12.0323.C6.o1.np	Method	AAT/NAP
Start	1	End	510
GI	7435656	Score	210
Exons	1..510		
GI Descrip.	subtilisin-like proteinase (EC 3.4.21.-) 2 - tomato gi|1771162|emb|CAA67430.1| (X98930) SBT2 [Lycopersicon esculentum] gi|3687307|emb|CAA07000.1| (AJ006379) subtilisin-like protease [Lycopersicon esculentum]		

Seq. No.	42016	Seq. ID	OJ000302_12.0323.C6
Gene No.	87234	Strand	-
Start	1	End	546
Name	OJ000302_12.0323.C6.o1.gs	Method	GENSCAN
Start	61	End	546
GI	none	Score	.98
Exons	61..546		

Seq. No.	42017	Seq. ID	OJ000302_12.0323.C7
Gene No.	87235	Strand	-
Start	607	End	1006
Name	OJ000302_12.0323.C7.o1.gp	Method	AAT/GAP
Start	202	End	995
GI	none	Score	1327
Exons	202..775, 872..995		

Seq. No.	42017	Seq. ID	OJ000302_12.0323.C7
Gene No.	87235	Strand	-
Start	607	End	1006
Name	OJ000302_12.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	595	End	1006
GI	none	Score	78
Exons	595..651, 596..652, 634..714, 642..719, 647..724, 706..777, 709..777, 716..778, 866..1000, 867..1004, 868..1005, 872..1006		

Seq. No.	42017	Seq. ID	OJ000302_12.0323.C7
Gene No.	87235	Strand	-
Start	607	End	1006
Name	OJ000302_12.0323.C7.o1.gs	Method	GENSCAN
Start	607	End	1004
GI	none	Score	.72

Exons	607..677, 872..1004		
Seq. No.	42017	Seq. ID	OJ000302_12.0323.C7
Gene No.	87235	Strand	-
Start	607	End	1006
Name	OJ000302_12.0323.C7.o1.np	Method	AAT/NAP
Start	613	End	1004
GI	7076760	Score	141
Exons	613..781, 872..1004		
GI Descrip.	(AL138658) putative protein [Arabidopsis thaliana]		
Seq. No.	42018	Seq. ID	OJ000302_12.0323.C8
Gene No.	87236	Strand	+
Start	6	End	5833
Name	OJ000302_12.0323.C8.o1.gs	Method	GENSCAN
Start	6	End	5833
GI	none	Score	.44
Exons	6..373, 3102..3186, 5399..5833		
Seq. No.	42018	Seq. ID	OJ000302_12.0323.C8
Gene No.	87237	Strand	-
Start	1	End	3950
Name	OJ000302_12.0323.C8.o1.np	Method	AAT/NAP
Start	1	End	2141
GI	7106508	Score	62
Exons	1..127, 244..351, 2099..2141		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		
Seq. No.	42018	Seq. ID	OJ000302_12.0323.C8
Gene No.	87237	Strand	-
Start	1	End	3950
Name	OJ000302_12.0323.C8.o2.np	Method	AAT/NAP
Start	789	End	3950
GI	7076760	Score	649
Exons	789..885, 2010..2136, 2253..2337, 2413..2487, 2753..2973, 3109..3178, 3796..3950		
GI Descrip.	(AL138658) putative protein [Arabidopsis thaliana]		
Seq. No.	42018	Seq. ID	OJ000302_12.0323.C8
Gene No.	87238	Strand	-
Start	6285	End	7774
Name	OJ000302_12.0323.C8.o2.gs	Method	GENSCAN
Start	6285	End	7774
GI	none	Score	.59
Exons	6285..6350, 6532..6718, 6830..6998, 7139..7409, 7685..7774		
Seq. No.	42018	Seq. ID	OJ000302_12.0323.C8
Gene No.	87239	Strand	-
Start	8012	End	8121
Name	OJ000302_12.0323.C8.o1.gp	Method	AAT/GAP
Start	8012	End	8121
GI	uC-osflcyp082b07a1	Score	169
Exons	8012..8121		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		
Seq. No.	42018	Seq. ID	OJ000302_12.0323.C8

Gene No.	87240	Strand	-
Start	8959	End	9423
Name	OJ000302_12.0323.C8.o2.tm	Method	TBLASTX:Maize
Start	832	End	2368
GI	none	Score	153
Exons	832..903, 1995..2129, 1996..2127, 2005..2136, 2250..2339, 2252..2368, 2253..2339		

Seq. No.	42018	Seq. ID	OJ000302_12.0323.C8
Gene No.	87240	Strand	-
Start	8959	End	9423
Name	OJ000302_12.0323.C8.o1.tw	Method	TBLASTX:Wheat
Start	2247	End	2887
GI	none	Score	85
Exons	2247..2336, 2252..2368, 2253..2336, 2413..2487, 2413..2487, 2415..2492, 2563..2649, 2572..2649, 2573..2653, 2573..2656, 2739..2885, 2741..2887, 2742..2885		

Seq. No.	42018	Seq. ID	OJ000302_12.0323.C8
Gene No.	87240	Strand	-
Start	8959	End	9423
Name	OJ000302_12.0323.C8.o1.ts	Method	TBLASTX:Soybean
Start	2291	End	2849
GI	none	Score	41
Exons	2291..2335, 2292..2336, 2440..2487, 2443..2481, 2561..2653, 2563..2649, 2741..2848, 2748..2849		

Seq. No.	42018	Seq. ID	OJ000302_12.0323.C8
Gene No.	87240	Strand	-
Start	8959	End	9423
Name	OJ000302_12.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	2446	End	3165
GI	none	Score	90
Exons	2446..2487, 2563..2649, 2573..2653, 2741..2938, 2757..2939, 3106..3165		

Seq. No.	42018	Seq. ID	OJ000302_12.0323.C8
Gene No.	87240	Strand	-
Start	8959	End	9423
Name	OJ000302_12.0323.C8.o3.gs	Method	GENSCAN
Start	8959	End	9423
GI	none	Score	.57
Exons	8959..9063, 9301..9423		

Seq. No.	42019	Seq. ID	OJ000302_12.0323.C10
Gene No.	87241	Strand	+
Start	276	End	843
Name	OJ000302_12.0323.C10.o1.gs	Method	GENSCAN
Start	276	End	843
GI	none	Score	.89
Exons	276..450, 575..843		

Seq. No.	42019	Seq. ID	OJ000302_12.0323.C10
Gene No.	87242	Strand	-
Start	2375	End	2530
Name	OJ000302_12.0323.C10.o1.np	Method	AAT/NAP
Start	1798	End	2092

GI	6815099	Score	99
Exons	1798..2092		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	42019	Seq. ID	OJ000302_12.0323.C10
Gene No.	87242	Strand	-
Start	2375	End	2530
Name	OJ000302_12.0323.C10.o2.gs	Method	GENSCAN
Start	2375	End	2530
GI	none	Score	.57
Exons	2375..2530		
Seq. No.	42020	Seq. ID	OJ000302_12.0323.C11
Gene No.	87243	Strand	-
Start	5446	End	8095
Name	OJ000302_12.0323.C11.o1.np	Method	AAT/NAP
Start	5446	End	8095
GI	6721516	Score	434
Exons	5446..5725, 6017..6214, 6622..6873, 8052..8095		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	42020	Seq. ID	OJ000302_12.0323.C11
Gene No.	87243	Strand	-
Start	5446	End	8095
Name	OJ000302_12.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	7155	End	7673
GI	none	Score	83
Exons	7155..7277, 7341..7673		
Seq. No.	42020	Seq. ID	OJ000302_12.0323.C11
Gene No.	87243	Strand	-
Start	5446	End	8095
Name	OJ000302_12.0323.C11.o1.tw	Method	TBLASTX:Wheat
Start	7188	End	7577
GI	none	Score	89
Exons	7188..7322, 7194..7277, 7335..7577, 7349..7438		
Seq. No.	42021	Seq. ID	OJ000302_12.0323.C12
Gene No.	87244	Strand	+
Start	47	End	1043
Name	OJ000302_12.0323.C12.o1.gs	Method	GENSCAN
Start	47	End	968
GI	none	Score	.42
Exons	47..49, 308..467, 639..968		
Seq. No.	42021	Seq. ID	OJ000302_12.0323.C12
Gene No.	87244	Strand	+
Start	47	End	1043
Name	OJ000302_12.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	193	End	577
GI	none	Score	104
Exons	193..285, 195..287, 215..286, 314..577, 325..546, 335..568		
Seq. No.	42021	Seq. ID	OJ000302_12.0323.C12
Gene No.	87244	Strand	+
Start	47	End	1043
Name	OJ000302_12.0323.C12.o1.np	Method	AAT/NAP

Start	305	End	1043
GI	7489803	Score	753
Exons	305..1043		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	42021	Seq. ID	OJ000302_12.0323.C12
Gene No.	87244	Strand	+
Start	47	End	1043
Name	OJ000302_12.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	323	End	646
GI	none	Score	238
Exons	323..646, 343..564		

Seq. No.	42021	Seq. ID	OJ000302_12.0323.C12
Gene No.	87244	Strand	+
Start	47	End	1043
Name	OJ000302_12.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	713	End	1042
GI	none	Score	464
Exons	713..1042, 718..948		

Seq. No.	42021	Seq. ID	OJ000302_12.0323.C12
Gene No.	87244	Strand	+
Start	47	End	1043
Name	OJ000302_12.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	718	End	964
GI	none	Score	267
Exons	718..948, 719..964		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87245	Strand	+
Start	1	End	2295
Name	OJ000302_12.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	2292
GI	6630685	Score	2808
Exons	1..2292		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87245	Strand	+
Start	1	End	2295
Name	OJ000302_12.0323.C13.o1.gs	Method	GENSCAN
Start	91	End	2295
GI	none	Score	.4
Exons	91..2295		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	6	End	636
GI	none	Score	536
Exons	6..425, 16..465, 22..465, 474..575, 478..636, 526..564		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o3.ts	Method	TBLASTX:Soybean
Start	13	End	417
GI	none	Score	296
Exons	13..417, 27..134, 213..365		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o3.tc	Method	TBLASTX:Cress
Start	16	End	414
GI	none	Score	184
Exons	16..414		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o4.tw	Method	TBLASTX:Wheat
Start	16	End	180
GI	none	Score	213
Exons	16..180, 30..173, 34..177		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o3.tw	Method	TBLASTX:Wheat
Start	199	End	540
GI	none	Score	100
Exons	199..276, 283..429, 292..429, 293..436, 451..540, 477..530		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o4.tm	Method	TBLASTX:Maize
Start	637	End	924
GI	none	Score	291
Exons	637..885, 657..884, 874..924, 876..923		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	652	End	1265
GI	5509260	Score	731
Exons	652..1260, 747..1265, 990..1265		
GI Descrip.	-		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	781	End	1251
GI	none	Score	84
Exons	781..870, 877..903, 894..1247, 904..1251, 912..1250		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o2.tc	Method	TBLASTX:Cress
Start	873	End	1146
GI	none	Score	197
Exons	873..1019, 874..1146, 919..1020		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o3.tm	Method	TBLASTX:Maize
Start	925	End	1392
GI	none	Score	587
Exons	925..1392, 925..1044, 927..1391		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o5.tm	Method	TBLASTX:Maize
Start	1434	End	1626
GI	none	Score	256
Exons	1434..1625, 1435..1626		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o2.tw	Method	TBLASTX:Wheat
Start	1441	End	1872
GI	none	Score	102
Exons	1441..1602, 1615..1872		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	1627	End	2375
GI	none	Score	913
Exons	1627..2289, 1629..2303, 1636..2304, 2190..2294, 2192..2305, 2192..2314, 2346..2375		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o2.ts	Method	TBLASTX:Soybean
Start	1636	End	2301
GI	none	Score	306
Exons	1636..2019, 1641..2012, 1648..2019, 2053..2301, 2061..2228		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	1816	End	2256
GI	none	Score	69
Exons	1816..1905, 1909..2043, 2029..2256, 2055..2222		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o5.tw	Method	TBLASTX:Wheat
Start	1909	End	2229
GI	none	Score	105
Exons	1909..2034, 1929..2030, 2053..2229, 2109..2228, 2110..2229		

Seq. No.	42022	Seq. ID	OJ000302_12.0323.C13
Gene No.	87246	Strand	-
Start	3056	End	3856
Name	OJ000302_12.0323.C13.o2.gs	Method	GENSCAN
Start	3056	End	3856
GI	none	Score	.86
Exons	3056..3211, 3809..3856		

Seq. No.	42023	Seq. ID	OJ000302_12.0323.C14
Gene No.	87247	Strand	-
Start	28	End	1492
Name	OJ000302_12.0323.C14.o1.np	Method	AAT/NAP
Start	28	End	1472
GI	6907088	Score	1059
Exons	28..425, 922..1159, 1335..1472		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42023	Seq. ID	OJ000302_12.0323.C14
Gene No.	87247	Strand	-
Start	28	End	1492
Name	OJ000302_12.0323.C14.o1.gs	Method	GENSCAN
Start	29	End	1492
GI	none	Score	.76
Exons	29..82, 922..1026, 1062..1159, 1335..1492		

Seq. No.	42024	Seq. ID	OJ000302_12.0323.C15
Gene No.	87248	Strand	+
Start	5746	End	7687
Name	OJ000302_12.0323.C15.o2.gs	Method	GENSCAN
Start	5746	End	7687
GI	none	Score	.42
Exons	5746..5765, 7465..7687		

Seq. No.	42024	Seq. ID	OJ000302_12.0323.C15
Gene No.	87249	Strand	-
Start	1094	End	8174
Name	OJ000302_12.0323.C15.o1.np	Method	AAT/NAP
Start	1094	End	8174
GI	6721516	Score	517
Exons	1094..1287, 3660..3994, 4403..4643, 8142..8174		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42025	Seq. ID	OJ000302_12.0323.C17
Gene No.	87250	Strand	-
Start	543	End	965
Name	OJ000302_12.0323.C17.o1.gs	Method	GENSCAN
Start	543	End	965
GI	none	Score	.93
Exons	543..617, 840..965		

Seq. No.	42026	Seq. ID	OJ000302_12.0323.C18
Gene No.	87251	Strand	+
Start	1301	End	1666
Name	OJ000302_12.0323.C18.o1.gs	Method	GENSCAN
Start	1301	End	1666
GI	none	Score	.93
Exons	1301..1666		

Seq. No.	42026	Seq. ID	OJ000302_12.0323.C18
Gene No.	87252	Strand	+
Start	4284	End	4567
Name	OJ000302_12.0323.C18.o1.gp	Method	AAT/GAP
Start	4284	End	4567
GI	61605_3.R1084	Score	449
Exons	4284..4567		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	42026	Seq. ID	OJ000302_12.0323.C18
Gene No.	87253	Strand	-
Start	2172	End	4673
Name	OJ000302_12.0323.C18.o1.tm	Method	TBLASTX:Maize
Start	251	End	1639
GI	none	Score	82
Exons	251..322, 252..323, 276..323, 280..324, 1321..1431, 1321..1452, 1568..1624, 1577..1639		

Seq. No.	42026	Seq. ID	OJ000302_12.0323.C18
Gene No.	87253	Strand	-
Start	2172	End	4673
Name	OJ000302_12.0323.C18.o2.gs	Method	GENSCAN
Start	2172	End	4673
GI	none	Score	.67
Exons	2172..2278, 4445..4673		

Seq. No.	42027	Seq. ID	OJ000302_12.0323.C19
Gene No.	87254	Strand	+
Start	667	End	960
Name	OJ000302_12.0323.C19.o1.gs	Method	GENSCAN
Start	667	End	960
GI	none	Score	.92
Exons	667..960		

Seq. No.	42027	Seq. ID	OJ000302_12.0323.C19
Gene No.	87255	Strand	-
Start	386	End	2340
Name	OJ000302_12.0323.C19.o1.np	Method	AAT/NAP
Start	386	End	2340
GI	5852178	Score	89
Exons	386..480, 652..757, 789..949, 2243..2340		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	42027	Seq. ID	OJ000302_12.0323.C19
Gene No.	87255	Strand	-
Start	386	End	2340
Name	OJ000302_12.0323.C19.o2.gs	Method	GENSCAN

Start	1143	End	2226
GI	none	Score	.77
Exons	1143..1289, 2134..2226		

Seq. No.	42028	Seq. ID	OJ000302_12.0323.C20
Gene No.	87256	Strand	+
Start	284	End	1287
Name	OJ000302_12.0323.C20.o1.gs	Method	GENSCAN
Start	284	End	1287
GI	none	Score	.85
Exons	284..1287		

Seq. No.	42029	Seq. ID	OJ000222_16.0321.C2
Gene No.	87257	Strand	+
Start	202	End	3777
Name	OJ000222_16.0321.C2.o1.tc	Method	TBLASTX:Cress
Start	121	End	3693
GI	none	Score	183
Exons	121..294, 183..293, 313..402, 494..655, 1013..1141, 1014..1235, 1298..1420, 1494..1583, 2214..2288, 2215..2304, 2336..2599, 2375..2578, 2413..2601, 2725..2844, 2936..3181, 2938..3081, 3011..3181, 3451..3612, 3453..3491, 3609..3692, 3610..3693		

Seq. No.	42029	Seq. ID	OJ000222_16.0321.C2
Gene No.	87257	Strand	+
Start	202	End	3777
Name	OJ000222_16.0321.C2.o1.gs	Method	GENSCAN
Start	202	End	3750
GI	none	Score	.86
Exons	202..400, 510..690, 998..1215, 1710..1810, 2004..2116, 2196..2291, 2380..2595, 2706..2844, 2936..3181, 3454..3750		

Seq. No.	42029	Seq. ID	OJ000222_16.0321.C2
Gene No.	87257	Strand	+
Start	202	End	3777
Name	OJ000222_16.0321.C2.o4.tm	Method	TBLASTX:Maize
Start	273	End	592
GI	none	Score	130
Exons	273..401, 273..401, 274..402, 504..590, 508..591, 509..592, 515..592		

Seq. No.	42029	Seq. ID	OJ000222_16.0321.C2
Gene No.	87257	Strand	+
Start	202	End	3777
Name	OJ000222_16.0321.C2.o3.tm	Method	TBLASTX:Maize
Start	593	End	1419
GI	none	Score	238
Exons	593..688, 996..1214, 1001..1213, 1267..1419, 1298..1411		

Seq. No.	42029	Seq. ID	OJ000222_16.0321.C2
Gene No.	87257	Strand	+
Start	202	End	3777
Name	OJ000222_16.0321.C2.o1.np	Method	AAT/NAP
Start	1691	End	3777
GI	4959322	Score	1224
Exons	1691..1924, 2004..2121, 2198..2291, 2380..2595, 2706..2844, 2936..3181, 3454..3777		

GI Descrip. (AF105149) kaurene synthase [Zea mays]

Seq. No.	42029	Seq. ID	OJ000222_16.0321.C2
Gene No.	87257	Strand	+
Start	202	End	3777
Name	OJ000222_16.0321.C2.o2.tm	Method	TBLASTX:Maize
Start	2365	End	2805
GI	none	Score	105
Exons	2365..2439, 2375..2440, 2375..2440, 2425..2598, 2441..2599, 2441..2626, 2716..2805, 2721..2804		

Seq. No.	42029	Seq. ID	OJ000222_16.0321.C2
Gene No.	87257	Strand	+
Start	202	End	3777
Name	OJ000222_16.0321.C2.o1.tm	Method	TBLASTX:Maize
Start	3122	End	3772
GI	none	Score	82
Exons	3122..3208, 3448..3765, 3452..3772, 3468..3704, 3478..3756		

Seq. No.	42030	Seq. ID	OJ000222_16.0321.C3
Gene No.	87258	Strand	+
Start	49	End	8366
Name	OJ000222_16.0321.C3.o1.np	Method	AAT/NAP
Start	49	End	2858
GI	7340860	Score	92
Exons	49..103, 1334..1435, 2814..2858		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42030	Seq. ID	OJ000222_16.0321.C3
Gene No.	87258	Strand	+
Start	49	End	8366
Name	OJ000222_16.0321.C3.o1.gs	Method	GENSCAN
Start	1363	End	8142
GI	none	Score	.57
Exons	1363..1486, 2439..2591, 3066..3452, 4033..4293, 6513..6587, 6673..6793, 6884..6981, 7223..7293, 7467..7579, 7738..7833, 7923..8142		

Seq. No.	42030	Seq. ID	OJ000222_16.0321.C3
Gene No.	87258	Strand	+
Start	49	End	8366
Name	OJ000222_16.0321.C3.o1.tc	Method	TBLASTX:Cress
Start	3167	End	8363
GI	none	Score	56
Exons	3167..3238, 3260..3349, 3383..3457, 6392..6586, 6392..6586, 6612..6644, 6669..6797, 6888..6977, 7171..7272, 7924..8139, 7924..8121, 8211..8363, 8240..8296		

Seq. No.	42030	Seq. ID	OJ000222_16.0321.C3
Gene No.	87258	Strand	+
Start	49	End	8366
Name	OJ000222_16.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	6400	End	6790
GI	none	Score	224
Exons	6400..6585, 6404..6586, 6404..6586, 6657..6785, 6667..6786, 6668..6790, 6669..6785, 6670..6786		

Seq. No.	42030	Seq. ID	OJ000222_16.0321.C3
Gene No.	87258	Strand	+
Start	49	End	8366
Name	OJ000222_16.0321.C3.o2.np	Method	AAT/NAP
Start	7172	End	8366
GI	4959322	Score	736
Exons	7172..7377, 7455..7583, 7739..7833, 7923..8138, 8240..8366		
GI Descrip.	(AF105149) kaurene synthase [Zea mays]		

Seq. No.	42030	Seq. ID	OJ000222_16.0321.C3
Gene No.	87258	Strand	+
Start	49	End	8366
Name	OJ000222_16.0321.C3.o2.tm	Method	TBLASTX:Maize
Start	7503	End	8270
GI	none	Score	79
Exons	7503..7580, 7745..7840, 7750..7839, 7920..8066, 7921..8136, 7924..8124, 8211..8270		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87259	Strand	+
Start	1	End	699
Name	OJ000222_16.0321.C4.o1.np	Method	AAT/NAP
Start	1	End	699
GI	4959322	Score	372
Exons	1..97, 376..699		
GI Descrip.	(AF105149) kaurene synthase [Zea mays]		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87260	Strand	+
Start	5424	End	5960
Name	OJ000222_16.0321.C4.o3.gs	Method	GENSCAN
Start	5424	End	5960
GI	none	Score	.87
Exons	5424..5431, 5882..5960		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87261	Strand	+
Start	9015	End	11367
Name	OJ000222_16.0321.C4.o5.gs	Method	GENSCAN
Start	9015	End	11367
GI	none	Score	.68
Exons	9015..9114, 9258..9388, 9616..9738, 10324..10402, 10491..10602, 10705..10811, 10822..11090, 11092..11367		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87261	Strand	+
Start	9015	End	11367
Name	OJ000222_16.0321.C4.o1.gp	Method	AAT/GAP
Start	9433	End	9860
GI	4878407	Score	669
Exons	9433..9860		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87262	Strand	+

Start	21307	End	22155
Name	OJ000222_16.0321.C4.o3.gp	Method	AAT/GAP
Start	21244	End	22155
GI	10403_1.R1084	Score	1688
Exons	21244..22155		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87262	Strand	+
Start	21307	End	22155
Name	OJ000222_16.0321.C4.o3.np	Method	AAT/NAP
Start	21270	End	21768
GI	7446487	Score	411
Exons	21270..21768		
GI Descrip.	proline rich protein homolog WCOR518 - wheat (fragment) gi|1657851|gb|AAB18205.1| (U73214) cold acclimation protein WCOR518 [Triticum aestivum]		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87262	Strand	+
Start	21307	End	22155
Name	OJ000222_16.0321.C4.o8.gs	Method	GENSCAN
Start	21307	End	21771
GI	none	Score	1
Exons	21307..21771		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87263	Strand	+
Start	29198	End	33424
Name	OJ000222_16.0321.C4.o6.gp	Method	AAT/GAP
Start	29198	End	31773
GI	58519_1.R1084	Score	855
Exons	29198..29365, 30887..31000, 31562..31773		
GI Descrip.	'2961284/emb|CAA76418| 1.0e-24 (Y16848) cinnamyl alcohol dehydrogenase-like protein, subunit a [Arabidopsis thaliana] >gi_4467103_emb_CAB37537_ (AL035538) cinnamyl alcohol dehydrogenase-like protein, LCADa [Arabidopsis thaliana]'		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87263	Strand	+
Start	29198	End	33424
Name	OJ000222_16.0321.C4.o5.np	Method	AAT/NAP
Start	29260	End	33157
GI	7430941	Score	955
Exons	29260..29365, 30887..31000, 31562..32102, 32697..32850, 32952..33157		
GI Descrip.	cinnamyl-alcohol dehydrogenase (EC 1.1.1.195) LCADa - Arabidopsis thaliana gi|2961284|emb|CAA76418.1| (Y16848) cinnamyl alcohol dehydrogenase-like protein, subunit a [Arabidopsis thaliana] gi|4467103|emb|CAB37537.1| (AL035538) cinnamyl alcohol dehydrogenase-like protein, LCADa [Arabidopsis thaliana] gi|7270780|emb|CAB80462.1| (AL161592) cinnamyl alcohol dehydrogenase-like p		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87263	Strand	+

Start	29198	End	33424
Name	OJ000222_16.0321.C4.o10.gs	Method	GENSCAN
Start	30199	End	33154
GI	none	Score	.9
Exons	30199..30341, 30887..31000, 31562..32102, 32697..32850, 32952..33154		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87263	Strand	+
Start	29198	End	33424
Name	OJ000222_16.0321.C4.o7.gp	Method	AAT/GAP
Start	32703	End	33424
GI	none	Score	1090
Exons	32703..32850, 32952..33424		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87264	Strand	-
Start	1	End	29449
Name	OJ000222_16.0321.C4.o2.np	Method	AAT/NAP
Start	1	End	26363
GI	4680341	Score	654
Exons	1..112, 12786..12835, 13134..13506, 13565..13648, 13674..13751, 26280..26363		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87264	Strand	-
Start	1	End	29449
Name	OJ000222_16.0321.C4.o2.gs	Method	GENSCAN
Start	1957	End	2919
GI	none	Score	.98
Exons	1957..2919		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87264	Strand	-
Start	1	End	29449
Name	OJ000222_16.0321.C4.o4.gs	Method	GENSCAN
Start	7395	End	8059
GI	none	Score	.48
Exons	7395..7810, 7999..8059		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87264	Strand	-
Start	1	End	29449
Name	OJ000222_16.0321.C4.o2.gp	Method	AAT/GAP
Start	10006	End	11701
GI	LIB3477-003-P1-K1-E9	Score	134
Exons	10006..10041, 11636..11701		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87264	Strand	-
Start	1	End	29449
Name	OJ000222_16.0321.C4.o4.gp	Method	AAT/GAP
Start	23678	End	26185

GI	40661_1.R1084	Score	1077
Exons	23678..23982, 25624..25703, 25854..26009, 26137..26185		
GI Descrip.	'4587519/gb|AAD25750.1|AC007060_8 3.0e-52 (AC007060) Strong similarity to F19I3.7 gi_3033380 putative coatomer epsilon subunit from Arabidopsis thaliana BAC gb_AC004238. ESTs gb_Z17908, gb_AA728673, gb_N96555, gb_H76335, gb_AA712463, gb_W43247, gb_T45611, g'		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87264	Strand	-
Start	1	End	29449
Name	OJ000222_16.0321.C4.o9.gs	Method	GENSCAN
Start	23889	End	29449
GI	none	Score	.82
Exons	23889..23982, 25624..25703, 25854..26036, 26137..26272, 26851..27002, 27963..28046, 28151..28533, 29221..29449		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87264	Strand	-
Start	1	End	29449
Name	OJ000222_16.0321.C4.o4.np	Method	AAT/NAP
Start	23892	End	28321
GI	4587519	Score	1019
Exons	23892..23982, 25624..25703, 25854..26009, 26137..26272, 26851..27008, 27963..28046, 28151..28321		
GI Descrip.	(AC007060) Strong similarity to F19I3.7 gi|3033380 putative coatomer epsilon subunit from Arabidopsis thaliana BAC gb|AC004238. ESTs gb|Z17908, gb|AA728673, gb|N96555, gb|H76335, gb|AA712463, gb|W43247, gb|T45611, g...		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87264	Strand	-
Start	1	End	29449
Name	OJ000222_16.0321.C4.o5.gp	Method	AAT/GAP
Start	26212	End	28434
GI	37748_1.R1084	Score	1061
Exons	26212..26272, 26851..27002, 27963..28046, 28151..28434		
GI Descrip.	'4587519/gb|AAD25750.1|AC007060_8 1.0e-50 (AC007060) Strong similarity to F19I3.7 gi_3033380 putative coatomer epsilon subunit from Arabidopsis thaliana BAC gb_AC004238. ESTs gb_Z17908, gb_AA728673, gb_N96555, gb_H76335, gb_AA712463, gb_W43247, gb_T45611, g'		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o4.tm	Method	TBLASTX:Maize
Start	38	End	678
GI	none	Score	76
Exons	38..97, 366..662, 370..678		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o5.tc	Method	TBLASTX:Cress
Start	1963	End	2197
GI	none	Score	93

Exons	1963..2196, 1964..2197		
Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o5.tm	Method	TBLASTX:Maize
Start	1963	End	2197
GI	none	Score	177
Exons	1963..2196, 1964..2197		
Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o4.ts	Method	TBLASTX:Soybean
Start	1964	End	2197
GI	none	Score	109
Exons	1964..2128, 1966..2127, 2125..2196, 2126..2197		
Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o3.tm	Method	TBLASTX:Maize
Start	11085	End	21788
GI	none	Score	337
Exons	11085..11342, 11086..11343, 21507..21764, 21514..21765, 21708..21788		
Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o6.tc	Method	TBLASTX:Cress
Start	11089	End	21762
GI	none	Score	193
Exons	11089..11340, 11199..11339, 21513..21761, 21514..21762		
Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o6.ts	Method	TBLASTX:Soybean
Start	11092	End	21762
GI	none	Score	183
Exons	11092..11304, 11296..11391, 11487..11507, 21513..21707, 21514..21726, 21718..21762		
Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o2.tw	Method	TBLASTX:Wheat
Start	12823	End	14274
GI	none	Score	53
Exons	12823..12861, 12845..12895, 12855..12917, 13009..13071, 13010..13060, 13010..13099, 13011..13067, 13085..13129, 13105..13131, 13106..13132, 13145..13198, 13146..13247, 13146..13244, 14215..14274		
Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-

Start	33361	End	35694
Name	OJ000222_16.0321.C4.o1.tw	Method	TBLASTX:Wheat
Start	13809	End	33141
GI	none	Score	109
Exons	13809..13883, 31722..31808, 31730..31810, 31872..31916, 31887..31982, 31976..32101, 31980..32111, 32691..32855, 32692..32847, 32694..32855, 32956..33141, 32957..33139		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o4.tc	Method	TBLASTX:Cress
Start	23886	End	26272
GI	none	Score	108
Exons	23886..23984, 23887..23988, 25621..25713, 25626..25703, 25852..26010, 25852..26007, 25854..26009, 26137..26271, 26138..26272, 26153..26272		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o3.ts	Method	TBLASTX:Soybean
Start	23898	End	28312
GI	none	Score	87
Exons	23898..23984, 23908..23985, 25621..25704, 25632..25703, 25850..25933, 25852..26010, 25854..26009, 26850..27005, 26854..27012, 27972..28052, 28151..28312, 28152..28265		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o1.tm	Method	TBLASTX:Maize
Start	25617	End	28487
GI	none	Score	135
Exons	25617..25703, 25621..25704, 25852..26085, 25852..26007, 25853..26008, 25854..26018, 26097..26270, 26136..26273, 26137..26295, 26137..26271, 26138..26272, 26850..27005, 26851..27003, 27961..28047, 27961..28044, 27963..28049, 28149..28313, 28151..28312, 28407..28487		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o2.ts	Method	TBLASTX:Soybean
Start	26134	End	26278
GI	none	Score	81
Exons	26134..26277, 26138..26278, 26201..26278		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o3.tc	Method	TBLASTX:Cress
Start	26833	End	28312
GI	none	Score	80
Exons	26833..26982, 26834..26983, 26850..27005, 26850..27005, 26851..27012, 27972..28049, 27973..28047, 28149..28265, 28151..28312		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o1.ts	Method	TBLASTX:Soybean
Start	30884	End	33139
GI	none	Score	154
Exons	30884..31000, 30885..31004, 30885..31004, 31562..31648, 31563..31700, 31712..31810, 31713..31808, 31872..31922, 31883..31933, 31976..32110, 31983..32111, 32691..32864, 32699..32851, 32951..33139, 32968..33126		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o2.tm	Method	TBLASTX:Maize
Start	30884	End	33144
GI	none	Score	184
Exons	30884..31000, 30885..31004, 31563..31700, 31563..31625, 31565..31651, 31709..31810, 31710..31808, 31872..31916, 31883..32101, 31980..32102, 32691..32855, 32694..32855, 32947..33144, 32951..33139		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o2.tc	Method	TBLASTX:Cress
Start	30884	End	33144
GI	none	Score	153
Exons	30884..31000, 30885..31004, 30894..31004, 30913..31014, 31562..31639, 31563..31700, 31715..31810, 31716..31808, 31872..31922, 31883..32101, 31986..32111, 32691..32864, 32694..32852, 32780..32875, 32950..33144, 32951..33139		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o11.gs	Method	GENSCAN
Start	33361	End	35461
GI	none	Score	.52
Exons	33361..33450, 33593..35461		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o6.np	Method	AAT/NAP
Start	33545	End	35694
GI	4835759	Score	2152
Exons	33545..35694		
GI Descrip.	(AC007202) T8K14.9 [Arabidopsis thaliana]		

Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o1.tc	Method	TBLASTX:Cress
Start	33555	End	34111
GI	none	Score	332

Exons	33555..33863, 33572..33874, 33878..33931, 33879..33932, 33932..34021, 33933..34028, 34053..34109, 34055..34111		
Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o5.ts	Method	TBLASTX:Soybean
Start	34196	End	34358
GI	none	Score	127
Exons	34196..34357, 34197..34358		
Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o8.gp	Method	AAT/GAP
Start	34381	End	34846
GI	uC-osflcyp151b12b1	Score	908
Exons	34381..34846		
GI Descrip.	'4835759/gb|AAD30226.1|AC007202_8 4.0e-58 (AC007202) T8K14.9 [Arabidopsis thaliana]'		
Seq. No.	42031	Seq. ID	OJ000222_16.0321.C4
Gene No.	87265	Strand	-
Start	33361	End	35694
Name	OJ000222_16.0321.C4.o7.np	Method	AAT/NAP
Start	35298	End	35694
GI	283044	Score	147
Exons	35298..35694		
GI Descrip.	hybrid proline-rich protein - maize gi|433707|emb|CAA42959| (X60432) prolin rich protein [Zea mays]		
Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87266	Strand	+
Start	332	End	411
Name	OJ000222_16.0321.C5.o1.gp	Method	AAT/GAP
Start	332	End	411
GI	572426	Score	138
Exons	332..411		
Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87267	Strand	+
Start	810	End	1258
Name	OJ000222_16.0321.C5.o2.gp	Method	AAT/GAP
Start	810	End	1258
GI	572426	Score	549
Exons	810..966, 1065..1258		
Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87268	Strand	-
Start	119	End	621
Name	OJ000222_16.0321.C5.o1.gs	Method	GENSCAN
Start	119	End	621
GI	none	Score	.5
Exons	119..360, 416..621		
Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87269	Strand	-

Start	2053	End	4026
Name	OJ000222_16.0321.C5.o3.gp	Method	AAT/GAP
Start	1839	End	2973
GI	3766647	Score	1192
Exons	1839..2358, 2866..2973		
GI Descrip.	2388566 2.0e-43 (AC000098) Similar to Arabidopsis Fe(II) transport protein (gb_U27590). [Arabidopsis thaliana]		

Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87269	Strand	-
Start	2053	End	4026
Name	OJ000222_16.0321.C5.o2.gs	Method	GENSCAN
Start	2053	End	3986
GI	none	Score	.89
Exons	2053..2358, 2866..3015, 3348..3986		

Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87269	Strand	-
Start	2053	End	4026
Name	OJ000222_16.0321.C5.o1.np	Method	AAT/NAP
Start	2056	End	3996
GI	3252866	Score	770
Exons	2056..2358, 2866..3015, 3348..3379, 3416..3996		
GI Descrip.	(AF033535) putative zinc transporter [Arabidopsis thaliana]		

Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87269	Strand	-
Start	2053	End	4026
Name	OJ000222_16.0321.C5.o4.gp	Method	AAT/GAP
Start	3657	End	4026
GI	3766646	Score	699
Exons	3657..4026		
GI Descrip.	3252866 2.0e-11 (AF033535) putative zinc transporter [Arabidopsis thaliana]		

Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87270	Strand	-
Start	7892	End	9071
Name	OJ000222_16.0321.C5.o3.tm	Method	TBLASTX:Maize
Start	857	End	1397
GI	none	Score	105
Exons	857..967, 858..974, 860..982, 861..986, 1062..1289, 1064..1297, 1109..1288, 1373..1396, 1377..1397		

Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87270	Strand	-
Start	7892	End	9071
Name	OJ000222_16.0321.C5.o1.tc	Method	TBLASTX:Cress
Start	2053	End	3879
GI	none	Score	196
Exons	2053..2367, 2057..2323, 2855..3019, 2866..3018, 3609..3779, 3655..3879, 3657..3779		

Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87270	Strand	-
Start	7892	End	9071
Name	OJ000222_16.0321.C5.o2.tm	Method	TBLASTX:Maize

Start	2053	End	2919
GI	none	Score	216
Exons	2053..2367, 2057..2359, 2855..2917, 2866..2919		

Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87270	Strand	-
Start	7892	End	9071
Name	OJ000222_16.0321.C5.o1.ts	Method	TBLASTX:Soybean
Start	2053	End	3019
GI	none	Score	183
Exons	2053..2367, 2057..2359, 2855..3019, 2866..3018		

Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87270	Strand	-
Start	7892	End	9071
Name	OJ000222_16.0321.C5.o1.tm	Method	TBLASTX:Maize
Start	3424	End	3770
GI	none	Score	293
Exons	3424..3471, 3483..3761, 3514..3762, 3600..3770		

Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87270	Strand	-
Start	7892	End	9071
Name	OJ000222_16.0321.C5.o2.ts	Method	TBLASTX:Soybean
Start	3537	End	3846
GI	none	Score	120
Exons	3537..3629, 3627..3791, 3628..3786, 3814..3846		

Seq. No.	42032	Seq. ID	OJ000222_16.0321.C5
Gene No.	87270	Strand	-
Start	7892	End	9071
Name	OJ000222_16.0321.C5.o4.gs	Method	GENSCAN
Start	7892	End	9071
GI	none	Score	.61
Exons	7892..7984, 8756..8901, 9014..9071		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87271	Strand	+
Start	12	End	3327
Name	OJ000222_16.0321.C7.o1.gp	Method	AAT/GAP
Start	12	End	310
GI	none	Score	456
Exons	12..310		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87271	Strand	+
Start	12	End	3327
Name	OJ000222_16.0321.C7.o1.gs	Method	GENSCAN
Start	124	End	3327
GI	none	Score	.96
Exons	124..360, 1442..1684, 2314..3327		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87271	Strand	+
Start	12	End	3327
Name	OJ000222_16.0321.C7.o2.gp	Method	AAT/GAP
Start	285	End	1515

GI	none	Score	280
Exons	285..360, 1442..1515		
Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87271	Strand	+
Start	12	End	3327
Name	OJ000222_16.0321.C7.o1.np	Method	AAT/NAP
Start	652	End	3321
GI	7485729	Score	1157
Exons	652..842, 1443..1684, 2314..3321		
GI Descrip.	hypothetical protein F18F4.150 - Arabidopsis thaliana gi|2827659|emb|CAA16613.1| (AL021637) putative protein [Arabidopsis thaliana] gi|7268800|emb|CAB79005.1| (AL161552) putative protein [Arabidopsis thaliana]		
Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87271	Strand	+
Start	12	End	3327
Name	OJ000222_16.0321.C7.o3.gp	Method	AAT/GAP
Start	2679	End	3032
GI	LIB3434-014-P1-K1-G2	Score	672
Exons	2679..3032		
GI Descrip.	'2827659/emb|CAA16613.1| 2.0e-33 (AL021637) putative protein [Arabidopsis thaliana]'		
Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87272	Strand	+
Start	9492	End	9684
Name	OJ000222_16.0321.C7.o4.gp	Method	AAT/GAP
Start	9492	End	9684
GI	none	Score	386
Exons	9492..9684		
Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87273	Strand	+
Start	14141	End	16178
Name	OJ000222_16.0321.C7.o6.gp	Method	AAT/GAP
Start	14141	End	16178
GI	727_1.R1084	Score	1405
Exons	14141..14264, 14891..14931, 15016..15116, 15416..15560, 15646..15735, 15881..16178		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 9.0e-71 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		
Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87273	Strand	+
Start	14141	End	16178
Name	OJ000222_16.0321.C7.o3.gs	Method	GENSCAN
Start	14630	End	15977
GI	none	Score	.91
Exons	14630..14716, 14891..14931, 15016..15116, 15416..15564, 15623..15735, 15881..15977		
Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87273	Strand	+

Start	14141	End	16178
Name	OJ000222_16.0321.C7.o4.np	Method	AAT/NAP
Start	14879	End	15974
GI	133867	Score	659
Exons	14879..14931, 15016..15116, 15416..15560, 15646..15735, 15881..15974		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87274	Strand	+
Start	16959	End	18787
Name	OJ000222_16.0321.C7.o7.gp	Method	AAT/GAP
Start	16852	End	18310
GI	727_2.R1084	Score	763
Exons	16852..16970, 17479..17519, 17607..17707, 18040..18184, 18257..18310		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 5.0e-48 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87274	Strand	+
Start	16959	End	18787
Name	OJ000222_16.0321.C7.o4.gs	Method	GENSCAN
Start	16959	End	18588
GI	none	Score	.82
Exons	16959..16970, 17479..17519, 17607..17707, 18040..18188, 18315..18346, 18492..18588		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87274	Strand	+
Start	16959	End	18787
Name	OJ000222_16.0321.C7.o5.np	Method	AAT/NAP
Start	17467	End	18585
GI	133867	Score	658
Exons	17467..17519, 17607..17707, 18040..18184, 18257..18346, 18492..18585		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87274	Strand	+
Start	16959	End	18787
Name	OJ000222_16.0321.C7.o8.gp	Method	AAT/GAP
Start	18035	End	18787
GI	727_1.R1084	Score	883
Exons	18035..18184, 18257..18346, 18492..18787		
GI Descrip.	'133867/sp|P25460|RS11_MAIZE 9.0e-71 40S RIBOSOMAL PROTEIN S11 >gi_82722_pir__S16577 ribosomal protein S11 - maize >gi_22470_emb_CAA39438_ (X55967) ribosomal protein S11 [Zea mays]'		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7

Gene No.	87275	Strand	-
Start	3787	End	14349
Name	OJ000222_16.0321.C7.o2.gs	Method	GENSCAN
Start	3787	End	14349
GI	none	Score	.45
Exons	3787..3800, 3919..3991, 4355..4508, 5580..5743, 6439..6503, 6916..7397, 8000..8301, 8401..8596, 10129..10319, 11603..11709, 13370..13587, 13711..14053, 14145..14349		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87275	Strand	-
Start	3787	End	14349
Name	OJ000222_16.0321.C7.o2.np	Method	AAT/NAP
Start	6899	End	8343
GI	4966353	Score	555
Exons	6899..7397, 8000..8343		
GI Descrip.	(AC006341) ESTs gb|T76348, gb|N65615 and gb|Z18119 come from this gene. [Arabidopsis thaliana]		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87275	Strand	-
Start	3787	End	14349
Name	OJ000222_16.0321.C7.o5.gp	Method	AAT/GAP
Start	9723	End	11036
GI	uC-osflcyp028h11b1	Score	865
Exons	9723..9870, 9974..10043, 10129..10319, 10918..11036		
GI Descrip.	'1620896/dbj|BAA13507| 4.0e-45 (D87956) protein involved in sexual development [Schizosaccharomyces pombe] >gi_2408048_emb_CAB16251_ (Z99164) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87275	Strand	-
Start	3787	End	14349
Name	OJ000222_16.0321.C7.o3.np	Method	AAT/NAP
Start	9775	End	13518
GI	7385111	Score	702
Exons	9775..9870, 9974..10043, 10129..10319, 10918..11013, 11603..11709, 12124..12166, 12338..12427, 12650..12721, 13370..13518		
GI Descrip.	(AF221849) FL10 [Mus musculus]		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o4.ts	Method	TBLASTX:Soybean
Start	2314	End	2672
GI	none	Score	69
Exons	2314..2376, 2428..2670, 2541..2672		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o2.tm	Method	TBLASTX:Maize
Start	2707	End	3048
GI	none	Score	523
Exons	2707..3048, 2709..2993, 2788..3027		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o6.ts	Method	TBLASTX:Soybean
Start	3004	End	3218
GI	none	Score	198
Exons	3004..3216, 3081..3218		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o5.tc	Method	TBLASTX:Cress
Start	3046	End	3315
GI	none	Score	183
Exons	3046..3219, 3081..3218, 3186..3308, 3220..3315		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o6.tm	Method	TBLASTX:Maize
Start	3144	End	3400
GI	none	Score	272
Exons	3144..3314, 3145..3327, 3344..3400		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o4.tm	Method	TBLASTX:Maize
Start	7025	End	7286
GI	none	Score	360
Exons	7025..7048, 7043..7285, 7044..7286		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o2.tc	Method	TBLASTX:Cress
Start	7028	End	7383
GI	none	Score	209
Exons	7028..7066, 7058..7369, 7104..7370, 7231..7383, 7246..7380		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o5.ts	Method	TBLASTX:Soybean
Start	7040	End	7264
GI	none	Score	163
Exons	7040..7264, 7104..7256		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o7.ts	Method	TBLASTX:Soybean
Start	7265	End	8091
GI	none	Score	95
Exons	7265..7396, 7281..7400, 7290..7403, 7984..8091		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o7.tm	Method	TBLASTX:Maize
Start	7346	End	8365
GI	none	Score	92
Exons	7346..7396, 7978..8091, 8000..8071, 8002..8091, 8176..8241, 8177..8242, 8288..8365, 8301..8345		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o3.tm	Method	TBLASTX:Maize
Start	9731	End	11654
GI	none	Score	34
Exons	9731..9757, 9732..9752, 9773..9871, 9775..9870, 9775..9873, 9821..9871, 9972..10046, 9972..10043, 9974..10045, 10114..10320, 10125..10319, 10915..11016, 10916..11014, 11600..11653, 11601..11654		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o4.tc	Method	TBLASTX:Cress
Start	9772	End	11002
GI	none	Score	44
Exons	9772..9873, 9824..9871, 9974..10045, 9978..10046, 10125..10319, 10129..10320, 10915..11001, 10916..11002		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o3.ts	Method	TBLASTX:Soybean
Start	9823	End	13459
GI	none	Score	206
Exons	9823..9873, 9974..10045, 10114..10320, 10115..10306, 10125..10319, 10915..11016, 10916..11014, 10920..11018, 11600..11710, 11601..11711, 12119..12169, 12338..12433, 12339..12431, 12339..12446, 12650..12724, 12654..12722, 13355..13459		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o2.ts	Method	TBLASTX:Soybean
Start	14884	End	18554
GI	none	Score	70
Exons	14884..14931, 14888..14929, 15015..15116, 15018..15119, 15019..15117, 15059..15121, 15061..15120, 15414..15560, 15414..15569, 15415..15576, 15422..15613, 15643..15735, 15644..15736, 15645..15737, 15878..15943, 15879..15926, 15944..15991, 17472..17519, 17476..17517, 17609..17710, 17610..17708, 17650..17712, 17652..17711, 18033..18185, 18035..18196, 18038..18196, 18244..18345, 18254..18346, 18255..18347, 18256..18348, 18489..18554, 18490..18537		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7

Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o5.tm	Method	TBLASTX:Maize
Start	14884	End	18763
GI	none	Score	70
Exons	14884..14931, 14888..14929, 14890..14934, 15006..15116, 15006..15116, 15016..15117, 15059..15121, 15061..15120, 15412..15564, 15414..15560, 15414..15569, 15415..15576, 15643..15735, 15644..15736, 15878..15934, 15879..15926, 16041..16061, 17472..17519, 17476..17517, 17597..17707, 17607..17708, 17650..17712, 17652..17711, 18033..18185, 18034..18123, 18035..18196, 18037..18186, 18254..18346, 18255..18347, 18256..18348, 18489..18545, 18490..18537, 18552..18620, 18561..18632, 18740..18763		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o3.tc	Method	TBLASTX:Cress
Start	14884	End	18542
GI	none	Score	70
Exons	14884..14931, 14888..14929, 15013..15114, 15059..15118, 15061..15117, 15414..15569, 15415..15576, 15421..15576, 15644..15736, 15646..15735, 15648..15740, 15878..15931, 15879..15926, 17472..17519, 17476..17517, 17597..17704, 17603..17704, 17604..17705, 17650..17709, 17652..17708, 18035..18196, 18039..18185, 18255..18347, 18257..18346, 18259..18351, 18489..18542, 18490..18537		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o9.gp	Method	AAT/GAP
Start	20078	End	22157
GI	17853_1.R1084	Score	1704
Exons	20078..20252, 20359..20515, 20622..20736, 20943..21010, 21098..21241, 21320..21397, 21482..21564, 21656..21695, 21920..21994, 22129..22157		
GI Descrip.	'3033397 1.0e-131 (AC004238) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o1.tw	Method	TBLASTX:Wheat
Start	20151	End	20492
GI	none	Score	83
Exons	20151..20243, 20154..20246, 20155..20253, 20156..20254, 20344..20457, 20357..20491, 20358..20492		

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o1.tm	Method	TBLASTX:Maize
Start	20153	End	24040
GI	none	Score	147
Exons	20153..20254, 20153..20245, 20154..20255, 20155..20253,		

20344..20457, 20357..20518, 20358..20516, 20359..20517,
20619..20741, 20620..20730, 20621..20731, 20940..21011,
20945..21013, 20945..21010, 21092..21244, 21098..21244,
21318..21401, 21321..21398, 21476..21565, 21480..21566,
21639..21698, 21656..21697, 21915..21992, 21917..21997,
21918..21995, 21925..22002, 22121..22240, 22126..22239,
22321..22410, 22322..22417, 22332..22412, 22752..22808,
22753..22824, 22902..22928, 22905..23057, 22934..22996,
23277..23333, 23277..23333, 23939..24019, 23939..24040,
24000..24038

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o1.ts	Method	TBLASTX:Soybean
Start	20155	End	23018
GI	none	Score	99

Exons 20155..20253, 20156..20260, 20357..20518, 20358..20516,
20473..20520, 20614..20736, 20619..20735, 20619..20741,
20620..20739, 20943..21008, 20945..21010, 21090..21236,
21092..21244, 21097..21279, 21098..21244, 21327..21398,
21356..21397, 21476..21568, 21480..21566, 21657..21698,
21664..21702, 21915..21995, 21917..21997, 21918..21998,
22124..22228, 22126..22233, 22318..22410, 22334..22417,
22334..22417, 22752..22808, 22753..22827, 22765..22827,
22911..23018, 22934..22996

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o1.tc	Method	TBLASTX:Cress
Start	20155	End	20706
GI	none	Score	99

Exons 20155..20253, 20156..20260, 20357..20518, 20358..20516,
20619..20705, 20620..20706

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o5.gs	Method	GENSCAN
Start	20155	End	24037
GI	none	Score	.7

Exons 20155..20252, 20359..20547, 20947..21010, 21098..21241,
21320..21457, 21482..21564, 21656..21695, 21920..21994,
22129..22241, 22358..22412, 22904..23055, 23278..23332,
23939..24037

Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o6.np	Method	AAT/NAP
Start	20158	End	24264
GI	6136087	Score	1557

Exons 20158..20252, 20359..20515, 20622..20736, 20943..21010,
21098..21241, 21320..21397, 21482..21564, 21656..21695,
21920..21994, 22129..22247, 22323..22412, 22766..22805,
22904..23055, 23278..23332, 23939..24054, 24186..24264

GI Descrip.	PROBABLE UDP-N-ACETYLGLUCOSAMINE PYROPHOSPHORYLASE gi|3033397|gb|AAC12841.1| (AC004238) putative UDP-N-acetylglucosamine pyrophosphorylase [Arabidopsis thaliana]		
Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o7.tc	Method	TBLASTX:Cress
Start	21327	End	21997
GI	none	Score	81
Exons	21327..21398, 21333..21368, 21356..21397, 21476..21568, 21480..21569, 21660..21695, 21661..21687, 21917..21997, 21921..21995		
Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o6.tc	Method	TBLASTX:Cress
Start	22144	End	24049
GI	none	Score	91
Exons	22144..22242, 22145..22246, 22333..22410, 22334..22417, 22752..22808, 22753..22809, 22908..23057, 22934..22996, 23939..24049		
Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o10.gp	Method	AAT/GAP
Start	22770	End	23332
GI	uC-osroM202036d05b1	Score	423
Exons	22770..22805, 22904..23055, 23278..23332		
GI Descrip.	'3033397 1.0e-12 (AC004238) unknown protein [Arabidopsis thaliana]'		
Seq. No.	42033	Seq. ID	OJ000222_16.0321.C7
Gene No.	87276	Strand	-
Start	20155	End	24264
Name	OJ000222_16.0321.C7.o11.gp	Method	AAT/GAP
Start	23783	End	23883
GI	4879971	Score	119
Exons	23783..23883		
Seq. No.	42034	Seq. ID	OJ000222_16.0321.C8
Gene No.	87277	Strand	+
Start	1412	End	1494
Name	OJ000222_16.0321.C8.o1.gp	Method	AAT/GAP
Start	1412	End	1494
GI	LIB3477-003-P1-K1-E9	Score	97
Exons	1412..1494		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	42034	Seq. ID	OJ000222_16.0321.C8
Gene No.	87278	Strand	-
Start	90	End	318
Name	OJ000222_16.0321.C8.o1.gs	Method	GENSCAN

Start	90	End	318
GI	none	Score	.64
Exons	90..318		

Seq. No.	42034	Seq. ID	OJ000222_16.0321.C8
Gene No.	87279	Strand	-
Start	532	End	5727
Name	OJ000222_16.0321.C8.o3.np	Method	AAT/NAP
Start	532	End	5727
GI	1477584	Score	433
Exons	532..595, 980..1212, 1802..2047, 2192..2333, 2431..2646, 2741..2839, 2911..3040, 3130..3286, 3437..3598, 3685..3801, 3909..4103, 4566..4808, 5295..5518, 5678..5727		
GI Descrip.	(U50768) abietadiene cyclase [Abies grandis]		

Seq. No.	42034	Seq. ID	OJ000222_16.0321.C8
Gene No.	87279	Strand	-
Start	532	End	5727
Name	OJ000222_16.0321.C8.o2.gs	Method	GENSCAN
Start	868	End	5563
GI	none	Score	.79
Exons	868..1212, 1802..2047, 2192..2333, 2530..2646, 2741..2763, 2887..3027, 3130..3307, 3685..3796, 3913..4130, 4590..4770, 5290..5563		

Seq. No.	42034	Seq. ID	OJ000222_16.0321.C8
Gene No.	87279	Strand	-
Start	532	End	5727
Name	OJ000222_16.0321.C8.o1.np	Method	AAT/NAP
Start	889	End	3366
GI	4959322	Score	1352
Exons	889..1212, 1802..2047, 2192..2333, 2431..2646, 2741..2839, 2911..3027, 3130..3366		
GI Descrip.	(AF105149) kaurene synthase [Zea mays]		

Seq. No.	42034	Seq. ID	OJ000222_16.0321.C8
Gene No.	87279	Strand	-
Start	532	End	5727
Name	OJ000222_16.0321.C8.o2.tm	Method	TBLASTX:Maize
Start	925	End	1861
GI	none	Score	196
Exons	925..1218, 926..1213, 1802..1861		

Seq. No.	42034	Seq. ID	OJ000222_16.0321.C8
Gene No.	87279	Strand	-
Start	532	End	5727
Name	OJ000222_16.0321.C8.o1.tc	Method	TBLASTX:Cress
Start	973	End	5530
GI	none	Score	163
Exons	973..1062, 1174..1215, 1789..1977, 1802..2047, 1818..2045, 2192..2335, 2424..2645, 2428..2613, 2448..2651, 2740..2817, 3247..3348, 3505..3594, 3681..3800, 3914..4123, 3987..4109, 4592..4771, 4626..4781, 5348..5431, 5348..5440, 5432..5530		

Seq. No.	42034	Seq. ID	OJ000222_16.0321.C8
Gene No.	87279	Strand	-
Start	532	End	5727

Name	OJ000222_16.0321.C8.o3.tm	Method	TBLASTX:Maize
Start	2227	End	2651
GI	none	Score	45
Exons	2227..2328, 2231..2335, 2234..2332, 2415..2552, 2415..2585, 2428..2601, 2432..2593, 2588..2647, 2589..2651, 2598..2651		

Seq. No.	42034	Seq. ID	OJ000222_16.0321.C8
Gene No.	87279	Strand	-
Start	532	End	5727
Name	OJ000222_16.0321.C8.o1.tm	Method	TBLASTX:Maize
Start	3688	End	4693
GI	none	Score	77
Exons	3688..3771, 3693..3800, 3693..3797, 3892..3972, 3914..4096, 3915..4121, 4589..4693, 4592..4687, 4593..4688		

Seq. No.	42035	Seq. ID	OJ000222_08.0317.C1
Gene No.	87280	Strand	+
Start	46	End	165
Name	OJ000222_08.0317.C1.o1.gs	Method	GENSCAN
Start	46	End	165
GI	none	Score	.97
Exons	46..165		

Seq. No.	42035	Seq. ID	OJ000222_08.0317.C1
Gene No.	87281	Strand	-
Start	632	End	687
Name	OJ000222_08.0317.C1.o2.gs	Method	GENSCAN
Start	632	End	687
GI	none	Score	.74
Exons	632..687		

Seq. No.	42036	Seq. ID	OJ000222_08.0317.C2
Gene No.	87282	Strand	+
Start	230	End	328
Name	OJ000222_08.0317.C2.o1.gs	Method	GENSCAN
Start	230	End	328
GI	none	Score	.73
Exons	230..328		

Seq. No.	42036	Seq. ID	OJ000222_08.0317.C2
Gene No.	87283	Strand	-
Start	1643	End	2463
Name	OJ000222_08.0317.C2.o2.gs	Method	GENSCAN
Start	1643	End	2463
GI	none	Score	.87
Exons	1643..1876, 2281..2463		

Seq. No.	42036	Seq. ID	OJ000222_08.0317.C2
Gene No.	87283	Strand	-
Start	1643	End	2463
Name	OJ000222_08.0317.C2.o1.gp	Method	AAT/GAP
Start	1920	End	2015
GI	LIB3477-003-P1-K1-E9	Score	105
Exons	1920..2015		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42037	Seq. ID	OJ000222_08.0317.C3
Gene No.	87284	Strand	
Start	444	End	651
Name	OJ000222_08.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	444	End	651
GI	none	Score	148
Exons	444..575, 450..575, 452..589, 562..651, 579..650		

Seq. No.	42038	Seq. ID	OJ000222_08.0317.C4
Gene No.	87285	Strand	+
Start	1	End	12966
Name	OJ000222_08.0317.C4.o3.np	Method	AAT/NAP
Start	1	End	12966
GI	7510076	Score	97
Exons	1..29, 2901..2947, 9979..10009, 12205..12350, 12785..12966		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	42038	Seq. ID	OJ000222_08.0317.C4
Gene No.	87285	Strand	+
Start	1	End	12966
Name	OJ000222_08.0317.C4.o2.gs	Method	GENSCAN
Start	3532	End	4545
GI	none	Score	.73
Exons	3532..3690, 4125..4201, 4392..4545		

Seq. No.	42038	Seq. ID	OJ000222_08.0317.C4
Gene No.	87285	Strand	+
Start	1	End	12966
Name	OJ000222_08.0317.C4.o2.np	Method	AAT/NAP
Start	3532	End	4990
GI	6006366	Score	144
Exons	3532..3668, 4949..4990		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	42038	Seq. ID	OJ000222_08.0317.C4
Gene No.	87286	Strand	-
Start	638	End	3026
Name	OJ000222_08.0317.C4.o1.np	Method	AAT/NAP
Start	638	End	1725
GI	7304999	Score	201
Exons	638..747, 915..1190, 1319..1725		
GI Descrip.	deoxyguanosine kinase gi|4877287|emb|CAB43121.1| (AJ133749) deoxyguanosine kinase 1 [Mus musculus]		

Seq. No.	42038	Seq. ID	OJ000222_08.0317.C4
Gene No.	87286	Strand	-
Start	638	End	3026
Name	OJ000222_08.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	645	End	1070
GI	none	Score	121
Exons	645..746, 656..745, 669..746, 810..1070, 813..1070		

Seq. No.	42038	Seq. ID	OJ000222_08.0317.C4
Gene No.	87286	Strand	-
Start	638	End	3026
Name	OJ000222_08.0317.C4.o1.ts	Method	TBLASTX:Soybean

Start	661	End	1013
GI	none	Score	85
Exons	661..738, 666..743, 669..746, 810..920, 811..915, 897..1013, 943..972		

Seq. No.	42038	Seq. ID	OJ000222_08.0317.C4
Gene No.	87286	Strand	-
Start	638	End	3026
Name	OJ000222_08.0317.C4.o1.gs	Method	GENSCAN
Start	670	End	3026
GI	none	Score	.86
Exons	670..737, 813..1219, 1315..1777, 2616..3026		

Seq. No.	42038	Seq. ID	OJ000222_08.0317.C4
Gene No.	87286	Strand	-
Start	638	End	3026
Name	OJ000222_08.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	888	End	1567
GI	none	Score	132
Exons	888..1181, 890..1186, 909..1094, 910..1203, 916..1191, 1292..1555, 1316..1567, 1317..1565		

Seq. No.	42038	Seq. ID	OJ000222_08.0317.C4
Gene No.	87286	Strand	-
Start	638	End	3026
Name	OJ000222_08.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	1023	End	1182
GI	none	Score	79
Exons	1023..1139, 1029..1136, 1030..1140, 1141..1182, 1143..1181		

Seq. No.	42038	Seq. ID	OJ000222_08.0317.C4
Gene No.	87286	Strand	-
Start	638	End	3026
Name	OJ000222_08.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	1370	End	2687
GI	none	Score	221
Exons	1370..1780, 1372..1623, 1377..1778, 1651..1779, 2616..2687, 2617..2685		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87287	Strand	+
Start	1579	End	3186
Name	OJ000222_08.0317.C5.o1.gs	Method	GENSCAN
Start	1579	End	3186
GI	none	Score	.94
Exons	1579..1638, 2163..2503, 2586..3186		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87287	Strand	+
Start	1579	End	3186
Name	OJ000222_08.0317.C5.o1.gp	Method	AAT/GAP
Start	2166	End	2719
GI	uC-osflcyp159c11b1	Score	896
Exons	2166..2503, 2586..2719		
GI Descrip.	'2605617/dbj|BAA23337| 2.0e-72 (D88617) OSMYB1 [Oryza sativa]'		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5

Gene No.	87287	Strand	+
Start	1579	End	3186
Name	OJ000222_08.0317.C5.o1.np	Method	AAT/NAP
Start	2241	End	3183
GI	421983	Score	795
Exons	2241..2503, 2586..2832, 2881..2959, 3018..3183		
GI Descrip.	DNA-binding protein myb2 - barley gi|19055|emb|CAA50221| (X70876) MybHv5 [Hordeum vulgare]		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87288	Strand	+
Start	19021	End	22359
Name	OJ000222_08.0317.C5.o3.np	Method	AAT/NAP
Start	19021	End	21488
GI	7267559	Score	892
Exons	19021..19138, 19229..19317, 19801..20334, 20774..20898, 20990..21488		
GI Descrip.	(AL161514) putative protein [Arabidopsis thaliana]		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87288	Strand	+
Start	19021	End	22359
Name	OJ000222_08.0317.C5.o4.gs	Method	GENSCAN
Start	19021	End	22359
GI	none	Score	.96
Exons	19021..20334, 20774..20898, 20990..21131, 21234..21480, 22199..22359		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87288	Strand	+
Start	19021	End	22359
Name	OJ000222_08.0317.C5.o3.gp	Method	AAT/GAP
Start	21012	End	21834
GI	25736_1.R1084	Score	1398
Exons	21012..21131, 21234..21834		
GI Descrip.	'4587525/gb|AAD25756.1|AC007060_14 4.0e-24 (AC007060) Contains the PF_00650 CRAL/TRIO phosphatidyl-inositol-transfer protein domain. ESTs gb_T76582, gb_N06574 and gb_Z25700 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87289	Strand	+
Start	23512	End	24752
Name	OJ000222_08.0317.C5.o5.gs	Method	GENSCAN
Start	23512	End	24752
GI	none	Score	.73
Exons	23512..23613, 23688..23815, 24325..24468, 24620..24752		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87290	Strand	-
Start	2742	End	3110
Name	OJ000222_08.0317.C5.o2.gp	Method	AAT/GAP
Start	2742	End	3110
GI	none	Score	738
Exons	2742..3110		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5

Gene No.	87291	Strand	-
Start	5597	End	10377
Name	OJ000222_08.0317.C5.o2.np	Method	AAT/NAP
Start	5597	End	10377
GI	5852093	Score	42
Exons	5597..5700, 10294..10377		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87292	Strand	-
Start	23536	End	28862
Name	OJ000222_08.0317.C5.o4.np	Method	AAT/NAP
Start	23536	End	28577
GI	4731571	Score	130
Exons	23536..23606, 27689..27819, 27923..28157, 28273..28577		
GI Descrip.	(AF121780) DNA polymerase I [Rhodothermus obamensis]		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87292	Strand	-
Start	23536	End	28862
Name	OJ000222_08.0317.C5.o6.gs	Method	GENSCAN
Start	24864	End	28862
GI	none	Score	.84
Exons	24864..24964, 25560..25744, 27271..27381, 27597..27819, 27923..28157, 28273..28404, 28497..28862		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87292	Strand	-
Start	23536	End	28862
Name	OJ000222_08.0317.C5.o4.gp	Method	AAT/GAP
Start	26860	End	28063
GI	none	Score	921
Exons	26860..26903, 27271..27381, 27597..27819, 27923..28063		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	2196	End	2709
GI	none	Score	480
Exons	2196..2504, 2240..2377, 2441..2506, 2583..2690, 2584..2709		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	2222	End	2700
GI	none	Score	147
Exons	2222..2326, 2237..2377, 2238..2504, 2441..2506, 2583..2699, 2583..2699, 2584..2700		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	2228	End	2709
GI	none	Score	464

Exons	2228..2374, 2229..2504, 2441..2506, 2583..2702, 2583..2705, 2584..2709		
Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	2235	End	2709
GI	none	Score	462
Exons	2235..2504, 2240..2374, 2441..2506, 2583..2690, 2583..2708, 2584..2709		
Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	19231	End	21451
GI	none	Score	189
Exons	19231..19353, 19239..19352, 19830..20345, 19831..20343, 20771..20944, 20773..20898, 20984..21130, 20988..21131, 21231..21431, 21232..21429, 21232..21450, 21233..21451, 21234..21434		
Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o2.tw	Method	TBLASTX:Wheat
Start	19830	End	20151
GI	none	Score	420
Exons	19830..20150, 19831..20151		
Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o3.tc	Method	TBLASTX:Cress
Start	19834	End	20118
GI	none	Score	137
Exons	19834..19968, 20020..20118, 20034..20117		
Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o3.ts	Method	TBLASTX:Soybean
Start	19834	End	20250
GI	none	Score	44
Exons	19834..19863, 19861..19974, 19861..19998, 20019..20150, 20020..20178, 20179..20250, 20187..20249		
Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o2.tc	Method	TBLASTX:Cress
Start	20119	End	21473
GI	none	Score	61
Exons	20119..20178, 20179..20250, 20269..20343, 20770..20898, 20771..20941, 20984..21028, 20988..21032, 21039..21131, 21233..21451, 21240..21431, 21249..21473		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o2.ts	Method	TBLASTX:Soybean
Start	20256	End	21451
GI	none	Score	92
Exons	20256..20342, 20256..20345, 20257..20343, 20771..20944, 20773..20898, 20984..21130, 20988..21131, 21231..21431, 21233..21451, 21234..21434		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o4.tm	Method	TBLASTX:Maize
Start	27312	End	27818
GI	none	Score	78
Exons	27312..27383, 27315..27410, 27596..27817, 27597..27818		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o4.ts	Method	TBLASTX:Soybean
Start	27922	End	28404
GI	none	Score	226
Exons	27922..28158, 27924..28172, 27926..28192, 28258..28299, 28271..28303, 28339..28404		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o3.tm	Method	TBLASTX:Maize
Start	28045	End	28728
GI	none	Score	175
Exons	28045..28158, 28045..28158, 28047..28163, 28258..28404, 28272..28403, 28494..28685, 28495..28728		

Seq. No.	42039	Seq. ID	OJ000222_08.0317.C5
Gene No.	87293	Strand	-
Start	29865	End	30098
Name	OJ000222_08.0317.C5.o7.gs	Method	GENSCAN
Start	29865	End	30098
GI	none	Score	.58
Exons	29865..30098		

Seq. No.	42040	Seq. ID	OJ000222_08.0317.C6
Gene No.	87294	Strand	-
Start	1	End	932
Name	OJ000222_08.0317.C6.o1.np	Method	AAT/NAP
Start	1	End	932
GI	7340860	Score	36
Exons	1..21, 659..811, 880..932		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42040	Seq. ID	OJ000222_08.0317.C6
Gene No.	87294	Strand	-

Start	1	End	932
Name	OJ000222_08.0317.C6.o1.gs	Method	GENSCAN
Start	291	End	322
GI	none	Score	.42
Exons	291..322		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87295	Strand	+
Start	1	End	3662
Name	OJ000222_08.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	3396
GI	6978903	Score	1775
Exons	1..803, 2159..2561, 2969..3069, 3167..3396		
GI Descrip.	(AC021199) putative hydroxymethyltransferase [Arabidopsis thaliana]		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87295	Strand	+
Start	1	End	3662
Name	OJ000222_08.0317.C7.o1.gp	Method	AAT/GAP
Start	21	End	472
GI	LIB3431-058-P1-K1-A10	Score	847
Exons	21..472		
GI Descrip.	'2244749/emb|CAB10172.1| 7.0e-37 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87295	Strand	+
Start	1	End	3662
Name	OJ000222_08.0317.C7.o2.gp	Method	AAT/GAP
Start	2336	End	3662
GI	4421_1.R1084	Score	1487
Exons	2336..2561, 2969..3069, 3167..3662		
GI Descrip.	'4455318/emb|CAB36853.1| 4.0e-47 (AL035528) glycine hydroxymethyltransferase-like protein [Arabidopsis thaliana]'		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87296	Strand	-
Start	6029	End	13339
Name	OJ000222_08.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	135	End	3401
GI	none	Score	823
Exons	135..803, 236..799, 2104..2256, 2156..2218, 2309..2563, 2323..2568, 3002..3070, 3003..3071, 3162..3401, 3166..3381		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87296	Strand	-
Start	6029	End	13339
Name	OJ000222_08.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	135	End	3401
GI	none	Score	828
Exons	135..812, 236..799, 689..838, 2104..2256, 2156..2218, 2291..2563, 2323..2568, 3002..3070, 3003..3071, 3162..3230, 3166..3381, 3264..3401		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87296	Strand	-

Start	6029	End	13339
Name	OJ000222_08.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	216	End	661
GI	none	Score	768
Exons	216..659, 236..661, 416..661		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87296	Strand	-
Start	6029	End	13339
Name	OJ000222_08.0317.C7.o1.tc	Method	TBLASTX:Cress
Start	281	End	2407
GI	none	Score	681
Exons	281..799, 282..803, 285..815, 461..817, 2156..2218, 2158..2262, 2309..2407, 2323..2406		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87296	Strand	-
Start	6029	End	13339
Name	OJ000222_08.0317.C7.o2.tw	Method	TBLASTX:Wheat
Start	2261	End	3052
GI	none	Score	453
Exons	2261..2563, 2267..2557, 2268..2561, 2323..2583, 2961..2999, 2965..3000, 3002..3052, 3003..3050		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87296	Strand	-
Start	6029	End	13339
Name	OJ000222_08.0317.C7.o2.tc	Method	TBLASTX:Cress
Start	2407	End	2589
GI	none	Score	235
Exons	2407..2589, 2408..2581		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87296	Strand	-
Start	6029	End	13339
Name	OJ000222_08.0317.C7.o3.tc	Method	TBLASTX:Cress
Start	3002	End	3401
GI	none	Score	76
Exons	3002..3070, 3003..3071, 3162..3401, 3166..3381		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87296	Strand	-
Start	6029	End	13339
Name	OJ000222_08.0317.C7.o3.tw	Method	TBLASTX:Wheat
Start	6025	End	6151
GI	none	Score	58
Exons	6025..6072, 6029..6151, 6030..6125, 6125..6148		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87296	Strand	-
Start	6029	End	13339
Name	OJ000222_08.0317.C7.o2.np	Method	AAT/NAP
Start	6029	End	9502
GI	6573780	Score	395
Exons	6029..6381, 6427..6686, 6765..7144, 9482..9502		
GI Descrip.	(AC009243) F28K19.7 [Arabidopsis thaliana]		

Seq. No.	42041	Seq. ID	OJ000222_08.0317.C7
Gene No.	87296	Strand	-
Start	6029	End	13339
Name	OJ000222_08.0317.C7.o3.gs	Method	GENSCAN
Start	6029	End	13339
GI	none	Score	.44
Exons	6029..6658, 6814..7212, 8228..8276, 8305..8403, 10938..11074, 12245..12342, 12491..12658, 12783..12902, 13144..13339		

Seq. No.	42042	Seq. ID	OJ000222_08.0317.C8
Gene No.	87297	Strand	+
Start	108	End	1717
Name	OJ000222_08.0317.C8.o1.gs	Method	GENSCAN
Start	108	End	1717
GI	none	Score	.58
Exons	108..233, 568..702, 782..889, 922..999, 1214..1717		

Seq. No.	42042	Seq. ID	OJ000222_08.0317.C8
Gene No.	87298	Strand	+
Start	1652	End	4878
Name	OJ000222_08.0317.C8.o1.np	Method	AAT/NAP
Start	1652	End	4878
GI	5852093	Score	96
Exons	1652..1735, 3028..3157, 4800..4878		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	42042	Seq. ID	OJ000222_08.0317.C8
Gene No.	87299	Strand	+
Start	6380	End	8079
Name	OJ000222_08.0317.C8.o3.gs	Method	GENSCAN
Start	6380	End	8079
GI	none	Score	.71
Exons	6380..6829, 8005..8079		

Seq. No.	42042	Seq. ID	OJ000222_08.0317.C8
Gene No.	87300	Strand	-
Start	2821	End	4204
Name	OJ000222_08.0317.C8.o2.gs	Method	GENSCAN
Start	2821	End	4204
GI	none	Score	.88
Exons	2821..2927, 4180..4204		

Seq. No.	42042	Seq. ID	OJ000222_08.0317.C8
Gene No.	87301	Strand	-
Start	6488	End	6805
Name	OJ000222_08.0317.C8.o2.np	Method	AAT/NAP
Start	6488	End	6805
GI	6323756	Score	31
Exons	6488..6805		
GI Descrip.	myosin I; Myo5p gi|2498024|sp|Q04439|YMZ9_YEAST HYPOTHETICAL MYOSIN-LIKE PROTEIN IN ILV2-ADE17 INTERGENIC REGION gi|1084931|pir||S54570 probable membrane protein YMR109w - yeast (Saccharomyces cerevisiae) gi|817867|emb|CAA89745.1| (Z49702) unknown [Saccharomyces cerevisiae] gi|1699241|gb|AAB37419.1| Myo5p=actin patch localized myosin I variant/MYO5 product [Saccha		

Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87302	Strand	+
Start	194	End	631
Name	OJ000222_08.0317.C9.o1.gp	Method	AAT/GAP
Start	194	End	631
GI	uC-osroM202028g02a1	Score	844
Exons	194..631		
GI Descrip.	'1931643 6.0e-10 (U95973) DnaJ isolog [Arabidopsis thaliana]'		

Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87303	Strand	-
Start	440	End	4772
Name	OJ000222_08.0317.C9.o6.tm	Method	TBLASTX:Maize
Start	392	End	602
GI	none	Score	151
Exons	392..421, 455..601, 456..602		

Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87303	Strand	-
Start	440	End	4772
Name	OJ000222_08.0317.C9.o1.gs	Method	GENSCAN
Start	440	End	2356
GI	none	Score	.77
Exons	440..938, 1737..2089, 2180..2356		

Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87303	Strand	-
Start	440	End	4772
Name	OJ000222_08.0317.C9.o1.np	Method	AAT/NAP
Start	443	End	4772
GI	1931643	Score	469
Exons	443..893, 1737..1839, 4657..4772		
GI Descrip.	(U95973) DnaJ isolog [Arabidopsis thaliana]		

Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87303	Strand	-
Start	440	End	4772
Name	OJ000222_08.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	461	End	2335
GI	none	Score	71
Exons	461..616, 665..889, 717..827, 2177..2209, 2243..2335		

Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87303	Strand	-
Start	440	End	4772
Name	OJ000222_08.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	461	End	2335
GI	none	Score	80
Exons	461..610, 477..614, 668..856, 675..878, 1736..1879, 2177..2236, 2225..2335		

Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87303	Strand	-
Start	440	End	4772
Name	OJ000222_08.0317.C9.o1.tw	Method	TBLASTX:Wheat
Start	461	End	878
GI	none	Score	43

Exons	461..613, 567..605, 632..856, 672..878, 675..878		
Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87303	Strand	-
Start	440	End	4772
Name	OJ000222_08.0317.C9.o2.tm	Method	TBLASTX:Maize
Start	604	End	878
GI	none	Score	294
Exons	604..747, 606..878, 608..877		
Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87303	Strand	-
Start	440	End	4772
Name	OJ000222_08.0317.C9.o2.gp	Method	AAT/GAP
Start	1843	End	2353
GI	uC-osroM202028g02b1	Score	806
Exons	1843..2089, 2180..2353		
GI Descrip.	'4981382/gb|AAD35931.1|AE001751_11 7.0e-13 (AE001751) dnaJ protein [Thermotoga maritima]'		
Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87303	Strand	-
Start	440	End	4772
Name	OJ000222_08.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	1844	End	2374
GI	none	Score	170
Exons	1844..1987, 1844..1984, 2018..2044, 2022..2042, 2045..2092, 2046..2090, 2047..2103, 2180..2371, 2181..2372, 2255..2374		
Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87304	Strand	
Start	5554	End	5823
Name	OJ000222_08.0317.C9.o5.tm	Method	TBLASTX:Maize
Start	5554	End	5823
GI	none	Score	75
Exons	5554..5823, 5675..5821		
Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87305	Strand	
Start	5901	End	6461
Name	OJ000222_08.0317.C9.o2.tw	Method	TBLASTX:Wheat
Start	5901	End	6262
GI	none	Score	84
Exons	5901..5960, 5962..6168, 5963..6130, 5963..6262, 5973..6143		
Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87305	Strand	
Start	5901	End	6461
Name	OJ000222_08.0317.C9.o3.tm	Method	TBLASTX:Maize
Start	5993	End	6461
GI	none	Score	52
Exons	5993..6061, 6018..6074, 6092..6460, 6099..6194, 6276..6461		
Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87306	Strand	
Start	6494	End	6991
Name	OJ000222_08.0317.C9.o7.tm	Method	TBLASTX:Maize

Start	6494	End	6691
GI	none	Score	110
Exons	6494..6691, 6495..6671		
Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87306	Strand	
Start	6494	End	6991
Name	OJ000222_08.0317.C9.o3.tw	Method	TBLASTX:Wheat
Start	6506	End	6915
GI	none	Score	82
Exons	6506..6538, 6539..6697, 6540..6698, 6790..6915		
Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87306	Strand	
Start	6494	End	6991
Name	OJ000222_08.0317.C9.o2.ts	Method	TBLASTX:Soybean
Start	6536	End	6949
GI	none	Score	53
Exons	6536..6697, 6549..6683, 6749..6859, 6790..6939, 6908..6949		
Seq. No.	42043	Seq. ID	OJ000222_08.0317.C9
Gene No.	87306	Strand	
Start	6494	End	6991
Name	OJ000222_08.0317.C9.o4.tm	Method	TBLASTX:Maize
Start	6693	End	6991
GI	none	Score	64
Exons	6693..6776, 6746..6856, 6760..6924, 6790..6969, 6905..6991		
Seq. No.	42044	Seq. ID	OJ000222_08.0317.C10
Gene No.	87307	Strand	-
Start	1328	End	1367
Name	OJ000222_08.0317.C10.o1.gs	Method	GENSCAN
Start	1328	End	1367
GI	none	Score	.49
Exons	1328..1367		
Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87308	Strand	+
Start	11199	End	14434
Name	OJ000222_08.0317.C11.o3.gs	Method	GENSCAN
Start	11199	End	14434
GI	none	Score	.74
Exons	11199..11306, 11583..11625, 11704..12025, 14290..14434		
Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87308	Strand	+
Start	11199	End	14434
Name	OJ000222_08.0317.C11.o2.np	Method	AAT/NAP
Start	11793	End	12025
GI	4972728	Score	105
Exons	11793..12025		
GI Descrip.	(AF132171) unknown [Drosophila melanogaster]		
Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87309	Strand	-
Start	646	End	822
Name	OJ000222_08.0317.C11.o1.gs	Method	GENSCAN

Start	646	End	822
GI	none	Score	.86
Exons	646..822		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87310	Strand	-
Start	2684	End	9418
Name	OJ000222_08.0317.C11.o2.gs	Method	GENSCAN
Start	2684	End	9418
GI	none	Score	.84
Exons	2684..2890, 3274..3442, 3808..3905, 4302..4409, 4627..4736, 5028..5128, 5290..5474, 5794..5910, 6679..6784, 6927..7015, 7458..7601, 7713..7805, 8076..8188, 8286..8468, 8600..9255, 9369..9418		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87310	Strand	-
Start	2684	End	9418
Name	OJ000222_08.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	2726	End	5913
GI	none	Score	37
Exons	2726..2773, 2820..2933, 2821..2931, 2822..2938, 3272..3415, 3274..3609, 3275..3610, 3440..3610, 3685..3906, 3690..3917, 3690..3917, 3692..3949, 3987..4103, 3987..4100, 3988..4101, 4299..4421, 4302..4412, 4303..4431, 4303..4422, 4304..4435, 4609..4740, 4626..4742, 4628..4735, 4633..4743, 5029..5100, 5030..5089, 5083..5130, 5090..5146, 5290..5475, 5292..5477, 5292..5474, 5743..5913, 5744..5911, 5745..5912		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87310	Strand	-
Start	2684	End	9418
Name	OJ000222_08.0317.C11.o2.tc	Method	TBLASTX:Cress
Start	2823	End	4100
GI	none	Score	67
Exons	2823..2927, 3274..3411, 3314..3388, 3463..3609, 3690..3767, 3691..3762, 3801..3896, 3802..3897, 3981..4016, 4026..4100		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87310	Strand	-
Start	2684	End	9418
Name	OJ000222_08.0317.C11.o2.ts	Method	TBLASTX:Soybean
Start	3226	End	5393
GI	none	Score	130
Exons	3226..3378, 3469..3609, 3470..3610, 3690..3890, 3706..3897, 3975..4013, 3981..4055, 4627..4737, 4634..4738, 5026..5103, 5280..5393		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87310	Strand	-
Start	2684	End	9418
Name	OJ000222_08.0317.C11.o2.tw	Method	TBLASTX:Wheat
Start	3292	End	3884
GI	none	Score	93
Exons	3292..3402, 3466..3609, 3801..3884		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11

Gene No.	87310	Strand	-
Start	2684	End	9418
Name	OJ000222_08.0317.C11.o1.np	Method	AAT/NAP
Start	3496	End	8633
GI	6686892	Score	1978
Exons	3496..3610, 3694..3905, 3990..4100, 4302..4409, 4627..4736, 5028..5128, 5281..5474, 5746..5910, 6183..6301, 6385..6472, 6679..6784, 6927..7015, 7458..7601, 7713..7805, 7891..7957, 8076..8188, 8286..8381, 8459..8633		
GI Descrip.	(AJ270306) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87310	Strand	-
Start	2684	End	9418
Name	OJ000222_08.0317.C11.o1.gp	Method	AAT/GAP
Start	4281	End	5368
GI	LIB3475-004-P1-K2-A4	Score	692
Exons	4281..4409, 4627..4736, 5028..5128, 5290..5368		
GI Descrip.	'4138137/emb|CAA10173| 1.0e-25 (AJ012796) ss-galactosidase [Lycopersicon esculentum]'		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87310	Strand	-
Start	2684	End	9418
Name	OJ000222_08.0317.C11.o1.tc	Method	TBLASTX:Cress
Start	5292	End	8557
GI	none	Score	67
Exons	5292..5408, 5743..5913, 5744..5809, 5767..5913, 6183..6302, 6378..6473, 6383..6472, 6384..6473, 6679..6774, 6926..7015, 7452..7601, 7453..7599, 7472..7603, 7473..7607, 7710..7808, 7737..7814, 7891..7968, 7892..7972, 8075..8191, 8076..8189, 8286..8393, 8287..8382, 8456..8557		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87310	Strand	-
Start	2684	End	9418
Name	OJ000222_08.0317.C11.o1.tw	Method	TBLASTX:Wheat
Start	5743	End	6491
GI	none	Score	69
Exons	5743..5883, 5744..5884, 6183..6302, 6184..6303, 6378..6473, 6383..6472, 6384..6491		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87310	Strand	-
Start	2684	End	9418
Name	OJ000222_08.0317.C11.o2.tm	Method	TBLASTX:Maize
Start	6195	End	8557
GI	none	Score	52
Exons	6195..6302, 6196..6303, 6235..6315, 6378..6473, 6383..6472, 6393..6473, 6679..6774, 6926..7015, 6930..7025, 7452..7601, 7453..7602, 7455..7607, 7710..7799, 7711..7791, 7891..7968, 7892..7972, 8075..8191, 8076..8192, 8273..8311, 8286..8393, 8290..8382, 8300..8395, 8318..8452, 8456..8557		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87310	Strand	-
Start	2684	End	9418

Name	OJ000222_08.0317.C11.o1.ts	Method	TBLASTX:Soybean
Start	6225	End	8554
GI	none	Score	43
Exons	6225..6302, 6238..6303, 6383..6472, 6384..6473, 6679..6774, 6926..7015, 7455..7601, 7462..7599, 7472..7603, 7710..7799, 7891..7968, 7892..7972, 8075..8191, 8076..8192, 8286..8393, 8290..8382, 8456..8554		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87311	Strand	
Start	11808	End	14446
Name	OJ000222_08.0317.C11.o3.tc	Method	TBLASTX:Cress
Start	11808	End	14446
GI	none	Score	227
Exons	11808..12026, 14291..14446		

Seq. No.	42045	Seq. ID	OJ000222_08.0317.C11
Gene No.	87311	Strand	
Start	11808	End	14446
Name	OJ000222_08.0317.C11.o3.ts	Method	TBLASTX:Soybean
Start	11808	End	12026
GI	none	Score	223
Exons	11808..12026, 11891..12025		

Seq. No.	42046	Seq. ID	OJ000222_09.0330.C2
Gene No.	87312	Strand	+
Start	307	End	4793
Name	OJ000222_09.0330.C2.o1.gs	Method	GENSCAN
Start	307	End	4793
GI	none	Score	.66
Exons	307..366, 663..713, 1601..1631, 1893..2059, 2265..2336, 2375..2528, 4783..4793		

Seq. No.	42046	Seq. ID	OJ000222_09.0330.C2
Gene No.	87312	Strand	+
Start	307	End	4793
Name	OJ000222_09.0330.C2.o1.gp	Method	AAT/GAP
Start	1577	End	1729
GI	286806	Score	255
Exons	1577..1729		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	42046	Seq. ID	OJ000222_09.0330.C2
Gene No.	87312	Strand	+
Start	307	End	4793
Name	OJ000222_09.0330.C2.o2.gp	Method	AAT/GAP
Start	2075	End	2931
GI	44036_1.R1084	Score	1481
Exons	2075..2374, 2461..2931		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	42046	Seq. ID	OJ000222_09.0330.C2
Gene No.	87313	Strand	+
Start	5923	End	8074
Name	OJ000222_09.0330.C2.o1.np	Method	AAT/NAP

Start	5802	End	8074
GI	7228448	Score	124
Exons	5802..5996, 6348..6589, 8000..8074		
GI Descrip.	(AP001366) ESTs AU068685(C30691),AU068684(C30691) correspond to a region of the predicted gene.; Similar to Genomic sequence for Arabidopsis thaliana BAC F21J9, F21J9.24. (AC000103) [Oryza sativa]		

Seq. No.	42046	Seq. ID	OJ000222_09.0330.C2
Gene No.	87313	Strand	+
Start	5923	End	8074
Name	OJ000222_09.0330.C2.o2.gs	Method	GENSCAN
Start	5923	End	7176
GI	none	Score	.74
Exons	5923..7176		

Seq. No.	42046	Seq. ID	OJ000222_09.0330.C2
Gene No.	87313	Strand	+
Start	5923	End	8074
Name	OJ000222_09.0330.C2.o3.gs	Method	GENSCAN
Start	7846	End	8042
GI	none	Score	.98
Exons	7846..8042		

Seq. No.	42047	Seq. ID	OJ000222_09.0330.C3
Gene No.	87314	Strand	+
Start	1	End	557
Name	OJ000222_09.0330.C3.o1.np	Method	AAT/NAP
Start	1	End	506
GI	7228448	Score	387
Exons	1..506		
GI Descrip.	(AP001366) ESTs AU068685(C30691),AU068684(C30691) correspond to a region of the predicted gene.; Similar to Genomic sequence for Arabidopsis thaliana BAC F21J9, F21J9.24. (AC000103) [Oryza sativa]		

Seq. No.	42047	Seq. ID	OJ000222_09.0330.C3
Gene No.	87314	Strand	+
Start	1	End	557
Name	OJ000222_09.0330.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	338
GI	none	Score	229
Exons	2..232, 3..233, 273..338		

Seq. No.	42047	Seq. ID	OJ000222_09.0330.C3
Gene No.	87314	Strand	+
Start	1	End	557
Name	OJ000222_09.0330.C3.o1.gs	Method	GENSCAN
Start	36	End	557
GI	none	Score	.65
Exons	36..557		

Seq. No.	42047	Seq. ID	OJ000222_09.0330.C3
Gene No.	87314	Strand	+
Start	1	End	557
Name	OJ000222_09.0330.C3.o1.tw	Method	TBLASTX:Wheat
Start	48	End	353

GI	none	Score	308
Exons	48..353, 77..349, 120..353		
Seq. No.	42048	Seq. ID	OJ000222_09.0330.C4
Gene No.	87315	Strand	+
Start	1	End	3585
Name	OJ000222_09.0330.C4.o1.np	Method	AAT/NAP
Start	1	End	3585
GI	5725434	Score	480
Exons	1..29, 1829..2118, 2386..2540, 2840..3585		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		
Seq. No.	42048	Seq. ID	OJ000222_09.0330.C4
Gene No.	87315	Strand	+
Start	1	End	3585
Name	OJ000222_09.0330.C4.o1.gs	Method	GENSCAN
Start	1802	End	2682
GI	none	Score	.6
Exons	1802..2493, 2525..2682		
Seq. No.	42048	Seq. ID	OJ000222_09.0330.C4
Gene No.	87316	Strand	-
Start	3721	End	3873
Name	OJ000222_09.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	2089	End	3546
GI	none	Score	98
Exons	2089..2247, 2365..2538, 2966..3091, 3085..3546, 3087..3353		
Seq. No.	42048	Seq. ID	OJ000222_09.0330.C4
Gene No.	87316	Strand	-
Start	3721	End	3873
Name	OJ000222_09.0330.C4.o1.tc	Method	TBLASTX:Cress
Start	2098	End	3384
GI	none	Score	93
Exons	2098..2271, 2978..3085, 3088..3384		
Seq. No.	42048	Seq. ID	OJ000222_09.0330.C4
Gene No.	87316	Strand	-
Start	3721	End	3873
Name	OJ000222_09.0330.C4.o1.ts	Method	TBLASTX:Soybean
Start	3118	End	3546
GI	none	Score	268
Exons	3118..3546		
Seq. No.	42048	Seq. ID	OJ000222_09.0330.C4
Gene No.	87316	Strand	-
Start	3721	End	3873
Name	OJ000222_09.0330.C4.o2.gs	Method	GENSCAN
Start	3721	End	3873
GI	none	Score	.79
Exons	3721..3873		
Seq. No.	42049	Seq. ID	OJ000222_09.0330.C5
Gene No.	87317	Strand	+
Start	1336	End	8312
Name	OJ000222_09.0330.C5.o1.gs	Method	GENSCAN
Start	1336	End	4134

GI	none	Score	.99
Exons	1336..4134		

Seq. No.	42049	Seq. ID	OJ000222_09.0330.C5
Gene No.	87317	Strand	+
Start	1336	End	8312
Name	OJ000222_09.0330.C5.o1.np	Method	AAT/NAP
Start	1342	End	4079
GI	4519936	Score	1098
Exons	1342..4079		
GI Descrip.	(AB019186) RPR1 [Oryza sativa]		

Seq. No.	42049	Seq. ID	OJ000222_09.0330.C5
Gene No.	87317	Strand	+
Start	1336	End	8312
Name	OJ000222_09.0330.C5.o1.tc	Method	TBLASTX:Cress
Start	1954	End	3255
GI	none	Score	42
Exons	1954..2070, 2173..2223, 2260..2391, 2434..2514, 2629..2745, 3121..3255		

Seq. No.	42049	Seq. ID	OJ000222_09.0330.C5
Gene No.	87317	Strand	+
Start	1336	End	8312
Name	OJ000222_09.0330.C5.o1.ts	Method	TBLASTX:Soybean
Start	2260	End	3483
GI	none	Score	55
Exons	2260..2352, 2335..2748, 2367..2531, 2734..2874, 3160..3309, 3358..3483		

Seq. No.	42049	Seq. ID	OJ000222_09.0330.C5
Gene No.	87317	Strand	+
Start	1336	End	8312
Name	OJ000222_09.0330.C5.o3.np	Method	AAT/NAP
Start	2355	End	8312
GI	5306245	Score	112
Exons	2355..2376, 6859..6997, 7172..7406, 7577..8146, 8270..8312		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	42049	Seq. ID	OJ000222_09.0330.C5
Gene No.	87317	Strand	+
Start	1336	End	8312
Name	OJ000222_09.0330.C5.o1.tw	Method	TBLASTX:Wheat
Start	2413	End	2715
GI	none	Score	256
Exons	2413..2715		

Seq. No.	42049	Seq. ID	OJ000222_09.0330.C5
Gene No.	87317	Strand	+
Start	1336	End	8312
Name	OJ000222_09.0330.C5.o2.tm	Method	TBLASTX:Maize
Start	2649	End	2904
GI	none	Score	222
Exons	2649..2732, 2650..2904, 2787..2903		

Seq. No.	42049	Seq. ID	OJ000222_09.0330.C5
Gene No.	87317	Strand	+

Start	1336	End	8312
Name	OJ000222_09.0330.C5.o2.tw	Method	TBLASTX:Wheat
Start	2923	End	3330
GI	none	Score	205
Exons	2923..3330, 3189..3329		

Seq. No.	42049	Seq. ID	OJ000222_09.0330.C5
Gene No.	87317	Strand	+
Start	1336	End	8312
Name	OJ000222_09.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	3121	End	3675
GI	none	Score	67
Exons	3121..3240, 3130..3675, 3189..3440		

Seq. No.	42050	Seq. ID	OJ000222_09.0330.C6
Gene No.	87318	Strand	+
Start	267	End	769
Name	OJ000222_09.0330.C6.o1.gs	Method	GENSCAN
Start	267	End	769
GI	none	Score	.92
Exons	267..456, 507..635, 654..769		

Seq. No.	42051	Seq. ID	OJ000222_09.0330.C7
Gene No.	87319	Strand	+
Start	635	End	2791
Name	OJ000222_09.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	632	End	1464
GI	none	Score	72
Exons	632..718, 1073..1117, 1139..1321, 1151..1435, 1154..1354, 1411..1464		

Seq. No.	42051	Seq. ID	OJ000222_09.0330.C7
Gene No.	87319	Strand	+
Start	635	End	2791
Name	OJ000222_09.0330.C7.o1.np	Method	AAT/NAP
Start	635	End	2791
GI	7485614	Score	375
Exons	635..1700, 2672..2791		
GI Descrip.	hypothetical protein F17I5.180 - Arabidopsis thaliana gi|3297823|emb|CAA19881.1| (AL031032) putative protein [Arabidopsis thaliana] gi|7270348|emb|CAB80116.1| (AL161584) putative protein [Arabidopsis thaliana]		

Seq. No.	42051	Seq. ID	OJ000222_09.0330.C7
Gene No.	87319	Strand	+
Start	635	End	2791
Name	OJ000222_09.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	827	End	1479
GI	none	Score	62
Exons	827..946, 980..1126, 1163..1420, 1186..1398, 1417..1479		

Seq. No.	42051	Seq. ID	OJ000222_09.0330.C7
Gene No.	87319	Strand	+
Start	635	End	2791
Name	OJ000222_09.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	1229	End	1479
GI	none	Score	172

Exons	1229..1408, 1229..1399, 1417..1479		
Seq. No.	42052	Seq. ID	OJ000222_09.0330.C9
Gene No.	87320	Strand	+
Start	454	End	2304
Name	OJ000222_09.0330.C9.o2.gp	Method	AAT/GAP
Start	454	End	1602
GI	342_1.R1084	Score	1766
Exons	454..1602		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	42052	Seq. ID	OJ000222_09.0330.C9
Gene No.	87320	Strand	+
Start	454	End	2304
Name	OJ000222_09.0330.C9.o1.np	Method	AAT/NAP
Start	457	End	2304
GI	4680203	Score	1310
Exons	457..1604, 2268..2304		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	42052	Seq. ID	OJ000222_09.0330.C9
Gene No.	87320	Strand	+
Start	454	End	2304
Name	OJ000222_09.0330.C9.o1.gs	Method	GENSCAN
Start	683	End	1258
GI	none	Score	.53
Exons	683..905, 1086..1258		
Seq. No.	42052	Seq. ID	OJ000222_09.0330.C9
Gene No.	87320	Strand	+
Start	454	End	2304
Name	OJ000222_09.0330.C9.o2.tw	Method	TBLASTX:Wheat
Start	797	End	1148
GI	none	Score	93
Exons	797..904, 887..1138, 895..1137, 897..1148		
Seq. No.	42052	Seq. ID	OJ000222_09.0330.C9
Gene No.	87320	Strand	+
Start	454	End	2304
Name	OJ000222_09.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	1069	End	1498
GI	none	Score	102
Exons	1069..1152, 1070..1144, 1145..1207, 1202..1498, 1256..1480		
Seq. No.	42052	Seq. ID	OJ000222_09.0330.C9
Gene No.	87320	Strand	+
Start	454	End	2304
Name	OJ000222_09.0330.C9.o1.tc	Method	TBLASTX:Cress
Start	1231	End	1579
GI	none	Score	296
Exons	1231..1383, 1238..1579, 1423..1560		
Seq. No.	42052	Seq. ID	OJ000222_09.0330.C9
Gene No.	87320	Strand	+
Start	454	End	2304
Name	OJ000222_09.0330.C9.o1.tm	Method	TBLASTX:Maize

Start	1238	End	1606
GI	none	Score	59
Exons	1238..1327, 1343..1606, 1366..1605		

Seq. No.	42052	Seq. ID	OJ000222_09.0330.C9
Gene No.	87320	Strand	+
Start	454	End	2304
Name	OJ000222_09.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	1366	End	1608
GI	none	Score	329
Exons	1366..1599, 1367..1603, 1367..1603, 1369..1608		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87321	Strand	+
Start	280	End	9219
Name	OJ000222_09.0330.C10.o4.np	Method	AAT/NAP
Start	280	End	4241
GI	6742729	Score	1721
Exons	280..328, 890..974, 1602..2785, 4187..4241		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87321	Strand	+
Start	280	End	9219
Name	OJ000222_09.0330.C10.o1.gs	Method	GENSCAN
Start	634	End	9219
GI	none	Score	.8
Exons	634..698, 738..870, 1624..1849, 1912..2757, 2902..3009, 3186..3280, 3282..3967, 4079..4252, 4349..4459, 4547..4619, 4722..4820, 8980..9219		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87321	Strand	+
Start	280	End	9219
Name	OJ000222_09.0330.C10.o2.np	Method	AAT/NAP
Start	766	End	2828
GI	6721561	Score	82
Exons	766..875, 2802..2828		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87321	Strand	+
Start	280	End	9219
Name	OJ000222_09.0330.C10.o1.gp	Method	AAT/GAP
Start	3389	End	3867
GI	uC-osflcyp176f10b1	Score	842
Exons	3389..3867		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87321	Strand	+

Start	280	End	9219
Name	OJ000222_09.0330.C10.o3.gp	Method	AAT/GAP
Start	5425	End	5566
GI	21474_1.R1084	Score	212
Exons	5425..5566		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87322	Strand	+
Start	10263	End	11875
Name	OJ000222_09.0330.C10.o2.gs	Method	GENSCAN
Start	10263	End	11875
GI	none	Score	.56
Exons	10263..10331, 10422..10610, 10851..11416, 11485..11610, 11695..11875		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87322	Strand	+
Start	10263	End	11875
Name	OJ000222_09.0330.C10.o4.gp	Method	AAT/GAP
Start	10682	End	11135
GI	53921_1.R1084	Score	904
Exons	10682..11135		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87322	Strand	+
Start	10263	End	11875
Name	OJ000222_09.0330.C10.o5.np	Method	AAT/NAP
Start	10743	End	11866
GI	4894963	Score	1056
Exons	10743..11416, 11485..11610, 11695..11866		
GI Descrip.	(AF140553) DNA-binding protein WRKY3 [Avena sativa]		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87323	Strand	+
Start	11880	End	11940
Name	OJ000222_09.0330.C10.o5.gp	Method	AAT/GAP
Start	11880	End	11940
GI	3762246	Score	114
Exons	11880..11940		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87324	Strand	-
Start	644	End	733
Name	OJ000222_09.0330.C10.o1.np	Method	AAT/NAP
Start	644	End	733
GI	4680183	Score	124
Exons	644..733		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87325	Strand	-
Start	1316	End	1471
Name	OJ000222_09.0330.C10.o3.np	Method	AAT/NAP

Start	1316	End	1471
GI	7363271	Score	119
Exons	1316..1471		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87326	Strand	-
Start	5289	End	5390
Name	OJ000222_09.0330.C10.o5.tw	Method	TBLASTX:Wheat
Start	1606	End	1856
GI	none	Score	253
Exons	1606..1854, 1620..1646, 1647..1856, 1650..1856		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87326	Strand	-
Start	5289	End	5390
Name	OJ000222_09.0330.C10.o2.ts	Method	TBLASTX:Soybean
Start	1720	End	1964
GI	none	Score	119
Exons	1720..1842, 1851..1964		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87326	Strand	-
Start	5289	End	5390
Name	OJ000222_09.0330.C10.o2.tw	Method	TBLASTX:Wheat
Start	1997	End	2407
GI	none	Score	87
Exons	1997..2047, 1998..2060, 2046..2288, 2066..2242, 2316..2405, 2321..2407, 2322..2405		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87326	Strand	-
Start	5289	End	5390
Name	OJ000222_09.0330.C10.o1.tw	Method	TBLASTX:Wheat
Start	2408	End	2775
GI	none	Score	433
Exons	2408..2752, 2409..2750, 2416..2775		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87326	Strand	-
Start	5289	End	5390
Name	OJ000222_09.0330.C10.o3.tm	Method	TBLASTX:Maize
Start	2451	End	2747
GI	none	Score	284
Exons	2451..2747, 2462..2737		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87326	Strand	-
Start	5289	End	5390
Name	OJ000222_09.0330.C10.o6.tw	Method	TBLASTX:Wheat
Start	3894	End	4418
GI	none	Score	61
Exons	3894..3974, 4065..4247, 4115..4240, 4347..4418		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87326	Strand	-
Start	5289	End	5390

Name	OJ000222_09.0330.C10.o2.gp	Method	AAT/GAP
Start	5289	End	5390
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	5289..5390		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87327	Strand	
Start	7617	End	7946
Name	OJ000222_09.0330.C10.o4.tm	Method	TBLASTX:Maize
Start	7617	End	7946
GI	none	Score	73
Exons	7617..7676, 7707..7946		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87328	Strand	
Start	10733	End	11821
Name	OJ000222_09.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	10733	End	11024
GI	none	Score	204
Exons	10733..10888, 10743..10901, 10893..11024, 10910..11023		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87328	Strand	
Start	10733	End	11821
Name	OJ000222_09.0330.C10.o3.tw	Method	TBLASTX:Wheat
Start	10733	End	11030
GI	none	Score	216
Exons	10733..10882, 10740..10910, 10890..10976, 10911..10985, 10916..10978, 10953..11030, 10973..11029		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87328	Strand	
Start	10733	End	11821
Name	OJ000222_09.0330.C10.o2.tc	Method	TBLASTX:Cress
Start	10770	End	11027
GI	none	Score	86
Exons	10770..10856, 10781..10846, 10896..11027, 10910..11011		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87328	Strand	
Start	10733	End	11821
Name	OJ000222_09.0330.C10.o1.ts	Method	TBLASTX:Soybean
Start	10878	End	11821
GI	none	Score	35
Exons	10878..10910, 10911..10982, 10911..10982, 10976..11008, 10977..11021, 11351..11410, 11352..11414, 11480..11635, 11482..11607, 11692..11799, 11693..11821		

Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87328	Strand	
Start	10733	End	11821
Name	OJ000222_09.0330.C10.o1.tc	Method	TBLASTX:Cress
Start	11322	End	11815
GI	none	Score	91

Exons	11322..11417, 11324..11422, 11480..11611, 11485..11610, 11693..11815, 11695..11802		
Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87328	Strand	
Start	10733	End	11821
Name	OJ000222_09.0330.C10.o2.tm	Method	TBLASTX:Maize
Start	11382	End	11809
GI	none	Score	59
Exons	11382..11417, 11482..11607, 11483..11635, 11483..11614, 11692..11805, 11693..11809		
Seq. No.	42053	Seq. ID	OJ000222_09.0330.C10
Gene No.	87328	Strand	
Start	10733	End	11821
Name	OJ000222_09.0330.C10.o4.tw	Method	TBLASTX:Wheat
Start	11382	End	11809
GI	none	Score	65
Exons	11382..11417, 11482..11607, 11483..11635, 11483..11635, 11657..11779, 11692..11805, 11693..11809		
Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-
Start	4236	End	9150
Name	OJ000222_09.0330.C11.o2.tw	Method	TBLASTX:Wheat
Start	1939	End	4808
GI	none	Score	84
Exons	1939..2007, 4554..4808, 4582..4773		
Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-
Start	4236	End	9150
Name	OJ000222_09.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	4186	End	4607
GI	none	Score	178
Exons	4186..4221, 4227..4442, 4228..4455, 4229..4447, 4230..4451, 4510..4602, 4512..4607		
Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-
Start	4236	End	9150
Name	OJ000222_09.0330.C11.o2.gs	Method	GENSCAN
Start	4236	End	9150
GI	none	Score	.81
Exons	4236..5339, 5445..5534, 5682..6520, 7096..7173, 7316..7799, 8072..8156, 8363..8535, 8554..9150		
Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-
Start	4236	End	9150
Name	OJ000222_09.0330.C11.o2.ts	Method	TBLASTX:Soybean
Start	4332	End	4920
GI	none	Score	62
Exons	4332..4448, 4554..4916, 4639..4758, 4813..4920		
Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-

Start	4236	End	9150
Name	OJ000222_09.0330.C11.o1.np	Method	AAT/NAP
Start	4407	End	9075
GI	6815097	Score	3424
Exons	4407..5172, 5314..6977, 7092..7702, 8208..9075		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-
Start	4236	End	9150
Name	OJ000222_09.0330.C11.o2.tm	Method	TBLASTX:Maize
Start	4608	End	4898
GI	none	Score	171
Exons	4608..4898, 4609..4887		

Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-
Start	4236	End	9150
Name	OJ000222_09.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	4887	End	5693
GI	none	Score	152
Exons	4887..4967, 5235..5312, 5334..5420, 5454..5693		

Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-
Start	4236	End	9150
Name	OJ000222_09.0330.C11.o3.tm	Method	TBLASTX:Maize
Start	5250	End	5684
GI	none	Score	138
Exons	5250..5420, 5460..5684		

Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-
Start	4236	End	9150
Name	OJ000222_09.0330.C11.o1.ts	Method	TBLASTX:Soybean
Start	5341	End	5786
GI	5509260	Score	82
Exons	5341..5421, 5349..5420, 5448..5786, 5580..5732		
GI Descrip.	-		

Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-
Start	4236	End	9150
Name	OJ000222_09.0330.C11.o1.tc	Method	TBLASTX:Cress
Start	5472	End	5733
GI	none	Score	80
Exons	5472..5732, 5473..5733		

Seq. No.	42054	Seq. ID	OJ000222_09.0330.C11
Gene No.	87329	Strand	-
Start	4236	End	9150
Name	OJ000222_09.0330.C11.o2.tc	Method	TBLASTX:Cress
Start	8737	End	9009
GI	none	Score	187
Exons	8737..9009		

Seq. No.	42055	Seq. ID	OJ000222_09.0330.C12
Gene No.	87330	Strand	+
Start	109	End	1280
Name	OJ000222_09.0330.C12.o1.gs	Method	GENSCAN
Start	109	End	1280
GI	none	Score	.61
Exons	109..211, 428..670, 1219..1280		

Seq. No.	42056	Seq. ID	OJ000222_09.0330.C13
Gene No.	87331	Strand	+
Start	896	End	1660
Name	OJ000222_09.0330.C13.o1.gs	Method	GENSCAN
Start	896	End	1660
GI	none	Score	.42
Exons	896..996, 1531..1660		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87332	Strand	+
Start	6865	End	25505
Name	OJ000222_09.0330.C14.o2.np	Method	AAT/NAP
Start	6865	End	12553
GI	7340881	Score	378
Exons	6865..7109, 7494..7576, 7662..7934, 9375..9488, 9594..9623, 12493..12553		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87332	Strand	+
Start	6865	End	25505
Name	OJ000222_09.0330.C14.o2.gs	Method	GENSCAN
Start	8765	End	11086
GI	none	Score	.48
Exons	8765..8869, 10120..10713, 10757..11086		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87332	Strand	+
Start	6865	End	25505
Name	OJ000222_09.0330.C14.o3.np	Method	AAT/NAP
Start	10186	End	11083
GI	5042448	Score	1324
Exons	10186..10773, 10814..11083		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87332	Strand	+
Start	6865	End	25505
Name	OJ000222_09.0330.C14.o3.gs	Method	GENSCAN
Start	11343	End	12698
GI	none	Score	.51
Exons	11343..12698		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87332	Strand	+
Start	6865	End	25505
Name	OJ000222_09.0330.C14.o4.np	Method	AAT/NAP
Start	11343	End	25505

GI	4680179	Score	7022
Exons	11343..12650, 13620..13678, 22315..25505		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87332	Strand	+
Start	6865	End	25505
Name	OJ000222_09.0330.C14.o1.gp	Method	AAT/GAP
Start	14716	End	15097
GI	uC-osflcyp033a04b1	Score	687
Exons	14716..15097		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87332	Strand	+
Start	6865	End	25505
Name	OJ000222_09.0330.C14.o5.gs	Method	GENSCAN
Start	14820	End	18719
GI	none	Score	.44
Exons	14820..14884, 16199..17235, 17602..18719		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87332	Strand	+
Start	6865	End	25505
Name	OJ000222_09.0330.C14.o7.gs	Method	GENSCAN
Start	23628	End	25394
GI	none	Score	.76
Exons	23628..24255, 24532..24720, 24946..25394		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87333	Strand	-
Start	3779	End	9545
Name	OJ000222_09.0330.C14.o1.np	Method	AAT/NAP
Start	3779	End	9545
GI	3777527	Score	1396
Exons	3779..5450, 5520..6489, 9516..9545		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87334	Strand	-
Start	13246	End	13803
Name	OJ000222_09.0330.C14.o4.gs	Method	GENSCAN
Start	13246	End	13803
GI	none	Score	1
Exons	13246..13803		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87335	Strand	-
Start	26536	End	27003
Name	OJ000222_09.0330.C14.o8.gs	Method	GENSCAN
Start	26536	End	27003
GI	none	Score	.72
Exons	26536..27003		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87336	Strand	-

Start	28865	End	40271
Name	OJ000222_09.0330.C14.o9.gs	Method	GENSCAN
Start	28865	End	39054
GI	none	Score	.41
Exons	28865..29599, 30233..30467, 31132..31180, 31946..32481, 32655..32739, 32745..32808, 33402..33761, 33962..34101, 34338..34521, 34555..34650, 35856..37938, 38231..39054		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87336	Strand	-
Start	28865	End	40271
Name	OJ000222_09.0330.C14.o5.np	Method	AAT/NAP
Start	34290	End	40271
GI	6466937	Score	2243
Exons	34290..38721, 40236..40271		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o15.tm	Method	TBLASTX:Maize
Start	3801	End	4045
GI	none	Score	115
Exons	3801..3899, 3893..4045, 3906..4040		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o4.ts	Method	TBLASTX:Soybean
Start	3801	End	4441
GI	none	Score	42
Exons	3801..3905, 3896..4252, 3939..3977, 4047..4292, 4268..4441		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o11.tw	Method	TBLASTX:Wheat
Start	3828	End	4279
GI	none	Score	129
Exons	3828..3899, 3908..4045, 4043..4279		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o1.tc	Method	TBLASTX:Cress
Start	3908	End	4474
GI	none	Score	78
Exons	3908..4048, 3909..4007, 4032..4166, 4046..4168, 4163..4270, 4165..4236, 4280..4474, 4290..4436		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o4.tm	Method	TBLASTX:Maize
Start	4046	End	4501
GI	none	Score	145

Exons	4046..4276, 4047..4247, 4262..4501, 4289..4498		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o12.tm	Method	TBLASTX:Maize
Start	4568	End	4963
GI	none	Score	256
Exons	4568..4963		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o5.tw	Method	TBLASTX:Wheat
Start	4598	End	5144
GI	none	Score	58
Exons	4598..4807, 4799..5143, 4911..4982, 5013..5144		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o2.ts	Method	TBLASTX:Soybean
Start	4808	End	5311
GI	5509260	Score	61
Exons	4808..5311, 4890..4982, 5022..5273		
GI Descrip.	-		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o2.tc	Method	TBLASTX:Cress
Start	4925	End	5198
GI	none	Score	87
Exons	4925..5197, 5013..5198		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o5.tm	Method	TBLASTX:Maize
Start	4964	End	5284
GI	none	Score	232
Exons	4964..5284, 4965..5273		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o3.ts	Method	TBLASTX:Soybean
Start	5627	End	6102
GI	none	Score	134
Exons	5627..5782, 5791..6102, 5834..6097		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o3.tc	Method	TBLASTX:Cress
Start	5645	End	6063
GI	none	Score	167

Exons	5645..5755, 5794..6063		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o6.tm	Method	TBLASTX:Maize
Start	5705	End	6129
GI	none	Score	231
Exons	5705..5767, 5782..6129, 5783..6115		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o1.tw	Method	TBLASTX:Wheat
Start	5938	End	35389
GI	none	Score	703
Exons	5938..6129, 24501..25127, 24503..25126, 34804..34947, 35008..35079, 35088..35297, 35096..35389		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o7.ts	Method	TBLASTX:Soybean
Start	6137	End	6471
GI	none	Score	86
Exons	6137..6439, 6163..6471, 6295..6375		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o8.tw	Method	TBLASTX:Wheat
Start	11597	End	46380
GI	none	Score	301
Exons	11597..11701, 11601..11960, 11631..11951, 11726..11959, 46048..46152, 46222..46380		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o14.tm	Method	TBLASTX:Maize
Start	11841	End	12137
GI	none	Score	205
Exons	11841..12137, 11882..12028, 12069..12125		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o10.tw	Method	TBLASTX:Wheat
Start	12407	End	12611
GI	none	Score	63
Exons	12407..12448, 12408..12455, 12471..12611, 12485..12604		
Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o4.tw	Method	TBLASTX:Wheat
Start	22668	End	37155

GI	none	Score	529
Exons	22668..23150, 22772..23107, 22779..23141, 36669..37151, 36673..37155		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o8.ts	Method	TBLASTX:Soybean
Start	22707	End	37112
GI	none	Score	148
Exons	22707..22907, 36912..37109, 36912..37112		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o2.tm	Method	TBLASTX:Maize
Start	22737	End	37091
GI	none	Score	375
Exons	22737..23204, 36615..37091, 36634..36945, 36985..37086		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o1.ts	Method	TBLASTX:Soybean
Start	23091	End	36692
GI	none	Score	57
Exons	23091..23123, 23091..23135, 23127..23486, 23222..23485, 36333..36692, 36334..36675		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o6.tw	Method	TBLASTX:Wheat
Start	23199	End	36617
GI	none	Score	372
Exons	23199..23501, 23206..23280, 23219..23500, 36318..36617, 36319..36585		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o3.tm	Method	TBLASTX:Maize
Start	23220	End	36600
GI	none	Score	405
Exons	23220..23792, 23231..23266, 23288..23458, 23537..23638, 36041..36196, 36043..36210, 36048..36233, 36069..36596, 36070..36582, 36319..36600		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o2.tw	Method	TBLASTX:Wheat
Start	23502	End	36308
GI	none	Score	624
Exons	23502..24017, 23534..23842, 23580..23927, 36006..36308		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14

Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o9.ts	Method	TBLASTX:Soybean
Start	23508	End	36311
GI	none	Score	187
Exons	23508..23753, 23531..23752, 36066..36311, 36103..36306		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o3.tw	Method	TBLASTX:Wheat
Start	24018	End	35711
GI	none	Score	561
Exons	24018..24494, 24048..24482, 24239..24493, 35420..35473, 35473..35595, 35508..35711		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o7.tm	Method	TBLASTX:Maize
Start	24249	End	35642
GI	none	Score	128
Exons	24249..24464, 24383..24457, 24477..24680, 24489..24656, 24596..24679, 35210..35461, 35211..35453, 35467..35640, 35505..35642		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o5.ts	Method	TBLASTX:Soybean
Start	24287	End	24542
GI	none	Score	269
Exons	24287..24541, 24288..24542		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o6.ts	Method	TBLASTX:Soybean
Start	24543	End	35618
GI	none	Score	71
Exons	24543..24653, 35237..35461, 35238..35456, 35473..35505, 35523..35618		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o1.tm	Method	TBLASTX:Maize
Start	24681	End	35209
GI	none	Score	226
Exons	24681..24842, 24689..24835, 24840..25280, 24842..24937, 25007..25267, 34645..34683, 34804..34923, 35008..35046, 35090..35209		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o7.tw	Method	TBLASTX:Wheat

Start	25128	End	34767
GI	none	Score	358
Exons	25128..25460, 25155..25235, 25220..25459, 34645..34692, 34678..34767		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o8.tm	Method	TBLASTX:Maize
Start	25317	End	41285
GI	none	Score	66
Exons	25317..25463, 34288..34350, 34289..34315, 34375..34608, 34396..34479, 34684..34803, 39487..39549, 41199..41285		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o11.tm	Method	TBLASTX:Maize
Start	28673	End	29075
GI	none	Score	155
Exons	28673..29074, 28842..29075		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o9.tw	Method	TBLASTX:Wheat
Start	28688	End	29053
GI	none	Score	135
Exons	28688..29053, 28818..29045		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o13.tm	Method	TBLASTX:Maize
Start	32091	End	32357
GI	none	Score	100
Exons	32091..32357, 32185..32343		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o10.tm	Method	TBLASTX:Maize
Start	35643	End	36038
GI	none	Score	74
Exons	35643..35879, 35655..35879, 35895..36038, 35899..36030		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o9.tm	Method	TBLASTX:Maize
Start	37140	End	37967
GI	none	Score	127
Exons	37140..37274, 37365..37436, 37536..37778, 37845..37967		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388

Name	OJ000222_09.0330.C14.o6.np	Method	AAT/NAP
Start	44469	End	46388
GI	4539664	Score	160
Exons	44469..44496, 45933..46388		
GI Descrip.	(AF061282) hypothetical protein [Sorghum bicolor]		

Seq. No.	42057	Seq. ID	OJ000222_09.0330.C14
Gene No.	87337	Strand	-
Start	44908	End	46388
Name	OJ000222_09.0330.C14.o11.gs	Method	GENSCAN
Start	44908	End	46191
GI	none	Score	.6
Exons	44908..45018, 45340..45376, 45947..46191		

Seq. No.	42058	Seq. ID	OJ000222_09.0330.C15
Gene No.	87338	Strand	+
Start	443	End	660
Name	OJ000222_09.0330.C15.o1.gs	Method	GENSCAN
Start	443	End	660
GI	none	Score	.89
Exons	443..469, 535..660		

Seq. No.	42058	Seq. ID	OJ000222_09.0330.C15
Gene No.	87339	Strand	-
Start	908	End	1777
Name	OJ000222_09.0330.C15.o2.gs	Method	GENSCAN
Start	908	End	1777
GI	none	Score	.97
Exons	908..1337, 1539..1777		

Seq. No.	42058	Seq. ID	OJ000222_09.0330.C15
Gene No.	87339	Strand	-
Start	908	End	1777
Name	OJ000222_09.0330.C15.o1.np	Method	AAT/NAP
Start	911	End	1777
GI	7447326	Score	549
Exons	911..1337, 1539..1777		
GI Descrip.	germin-like protein 1 - barley gi|2815292|emb|CAA75907.1| (Y15962) Germin-like protein 1 [Hordeum vulgare]		

Seq. No.	42058	Seq. ID	OJ000222_09.0330.C15
Gene No.	87340	Strand	-
Start	6194	End	8678
Name	OJ000222_09.0330.C15.o1.ts	Method	TBLASTX:Soybean
Start	896	End	1727
GI	none	Score	75
Exons	896..1075, 990..1049, 1112..1207, 1112..1195, 1187..1339, 1194..1337, 1538..1702, 1590..1727		

Seq. No.	42058	Seq. ID	OJ000222_09.0330.C15
Gene No.	87340	Strand	-
Start	6194	End	8678
Name	OJ000222_09.0330.C15.o1.tm	Method	TBLASTX:Maize
Start	905	End	1763
GI	none	Score	149
Exons	905..1075, 908..1066, 912..1076, 1115..1354, 1116..1349, 1539..1763, 1541..1705		

Seq. No.	42058	Seq. ID	OJ000222_09.0330.C15
Gene No.	87340	Strand	-
Start	6194	End	8678
Name	OJ000222_09.0330.C15.o1.tc	Method	TBLASTX:Cress
Start	908	End	1705
GI	none	Score	90
Exons	908..1075, 990..1070, 1112..1195, 1113..1169, 1187..1339, 1194..1337, 1538..1705, 1548..1703		

Seq. No.	42058	Seq. ID	OJ000222_09.0330.C15
Gene No.	87340	Strand	-
Start	6194	End	8678
Name	OJ000222_09.0330.C15.o1.tw	Method	TBLASTX:Wheat
Start	926	End	1784
GI	none	Score	46
Exons	926..1078, 931..999, 932..1066, 990..1070, 1115..1336, 1115..1339, 1643..1705, 1644..1784		

Seq. No.	42058	Seq. ID	OJ000222_09.0330.C15
Gene No.	87340	Strand	-
Start	6194	End	8678
Name	OJ000222_09.0330.C15.o2.np	Method	AAT/NAP
Start	6194	End	8678
GI	7489454	Score	1526
Exons	6194..6433, 7064..7665, 7705..8111, 8148..8678		
GI Descrip.	bacterial blight-resistance protein Xa1 - rice gi|2943742|dbj|BAA25068.1| (AB002266) XA1 [Oryza sativa]		

Seq. No.	42059	Seq. ID	OJ000222_09.0330.C16
Gene No.	87341	Strand	+
Start	9970	End	12067
Name	OJ000222_09.0330.C16.o4.gs	Method	GENSCAN
Start	9970	End	12067
GI	none	Score	.45
Exons	9970..10305, 10394..10425, 10793..11061, 11304..12067		

Seq. No.	42059	Seq. ID	OJ000222_09.0330.C16
Gene No.	87342	Strand	-
Start	1	End	8187
Name	OJ000222_09.0330.C16.o1.np	Method	AAT/NAP
Start	1	End	8187
GI	7489454	Score	1242
Exons	1..763, 5608..5858, 7823..8187		
GI Descrip.	bacterial blight-resistance protein Xa1 - rice gi|2943742|dbj|BAA25068.1| (AB002266) XA1 [Oryza sativa]		

Seq. No.	42059	Seq. ID	OJ000222_09.0330.C16
Gene No.	87342	Strand	-
Start	1	End	8187
Name	OJ000222_09.0330.C16.o2.tm	Method	TBLASTX:Maize
Start	50	End	417
GI	none	Score	39
Exons	50..85, 79..234, 121..231, 259..417, 269..415		

Seq. No.	42059	Seq. ID	OJ000222_09.0330.C16
Gene No.	87342	Strand	-

Start	1	End	8187
Name	OJ000222_09.0330.C16.o3.gs	Method	GENSCAN
Start	5589	End	8187
GI	none	Score	.96
Exons	5589..5887, 7884..8187		

Seq. No.	42059	Seq. ID	OJ000222_09.0330.C16
Gene No.	87343	Strand	
Start	11474	End	11935
Name	OJ000222_09.0330.C16.o1.tm	Method	TBLASTX:Maize
Start	11474	End	11935
GI	none	Score	151
Exons	11474..11650, 11527..11631, 11708..11935, 11737..11925		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87344	Strand	+
Start	468	End	553
Name	OJ000222_09.0330.C17.o1.gs	Method	GENSCAN
Start	468	End	553
GI	none	Score	.62
Exons	468..553		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87345	Strand	+
Start	1164	End	3065
Name	OJ000222_09.0330.C17.o1.gp	Method	AAT/GAP
Start	986	End	1367
GI	uC-osf1cyp033a04b1	Score	695
Exons	986..1367		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87345	Strand	+
Start	1164	End	3065
Name	OJ000222_09.0330.C17.o2.gs	Method	GENSCAN
Start	1164	End	3065
GI	none	Score	.89
Exons	1164..1235, 2256..2417, 2505..3065		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o2.tw	Method	TBLASTX:Wheat
Start	3013	End	6820
GI	none	Score	52
Exons	3013..3075, 6253..6819, 6284..6820		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o1.np	Method	AAT/NAP
Start	3311	End	7831
GI	4680179	Score	5354
Exons	3311..4396, 4430..7831		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o9.tw	Method	TBLASTX:Wheat
Start	3494	End	3753
GI	none	Score	211
Exons	3494..3541, 3554..3751, 3556..3753		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o7.tw	Method	TBLASTX:Wheat
Start	3787	End	4138
GI	none	Score	293
Exons	3787..3981, 3788..4138		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o6.tm	Method	TBLASTX:Maize
Start	3788	End	4093
GI	none	Score	232
Exons	3788..4093, 3802..3918		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o7.tm	Method	TBLASTX:Maize
Start	4421	End	4774
GI	none	Score	182
Exons	4421..4774, 4501..4590		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o8.tw	Method	TBLASTX:Wheat
Start	4457	End	4894
GI	none	Score	163
Exons	4457..4666, 4507..4665, 4711..4824, 4712..4825, 4853..4894		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o5.tm	Method	TBLASTX:Maize
Start	4964	End	5350
GI	none	Score	265
Exons	4964..5350, 4972..5292		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o4.tw	Method	TBLASTX:Wheat
Start	4990	End	5476
GI	none	Score	52
Exons	4990..5433, 4994..5044, 5099..5476		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17

Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o3.tm	Method	TBLASTX:Maize
Start	5363	End	5863
GI	none	Score	167
Exons	5363..5542, 5371..5517, 5549..5863, 5689..5742, 5770..5820		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o1.ts	Method	TBLASTX:Soybean
Start	5417	End	5812
GI	none	Score	57
Exons	5417..5449, 5419..5448, 5453..5812, 5455..5493, 5521..5811		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o5.tw	Method	TBLASTX:Wheat
Start	5525	End	5827
GI	none	Score	375
Exons	5525..5827, 5527..5811		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o3.tw	Method	TBLASTX:Wheat
Start	5828	End	6250
GI	none	Score	595
Exons	5828..6250, 5860..6249		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o3.ts	Method	TBLASTX:Soybean
Start	5834	End	6079
GI	none	Score	197
Exons	5834..6079, 5836..6078		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o2.tm	Method	TBLASTX:Maize
Start	5899	End	6262
GI	none	Score	481
Exons	5899..6249, 5900..6253, 5900..6262		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o2.ts	Method	TBLASTX:Soybean
Start	6608	End	6868
GI	none	Score	290
Exons	6608..6868, 6613..6867		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+

Start	3311	End	7831
Name	OJ000222_09.0330.C17.o4.tm	Method	TBLASTX:Maize
Start	6666	End	6958
GI	none	Score	75
Exons	6666..6818, 6667..6954, 6668..6958		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o1.tw	Method	TBLASTX:Wheat
Start	6827	End	7453
GI	none	Score	683
Exons	6827..7453, 6883..7341, 6920..7450		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o1.tm	Method	TBLASTX:Maize
Start	7007	End	7606
GI	none	Score	212
Exons	7007..7168, 7015..7161, 7166..7606, 7168..7590		

Seq. No.	42060	Seq. ID	OJ000222_09.0330.C17
Gene No.	87346	Strand	+
Start	3311	End	7831
Name	OJ000222_09.0330.C17.o6.tw	Method	TBLASTX:Wheat
Start	7453	End	7786
GI	none	Score	319
Exons	7453..7722, 7454..7786, 7457..7765		

Seq. No.	42061	Seq. ID	OJ000222_09.0330.C18
Gene No.	87347	Strand	+
Start	111	End	556
Name	OJ000222_09.0330.C18.o1.gs	Method	GENSCAN
Start	111	End	556
GI	none	Score	.48
Exons	111..350, 443..556		

Seq. No.	42061	Seq. ID	OJ000222_09.0330.C18
Gene No.	87348	Strand	-
Start	1	End	1349
Name	OJ000222_09.0330.C18.o1.np	Method	AAT/NAP
Start	1	End	1349
GI	5852180	Score	468
Exons	1..505, 557..675, 1313..1349		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	42062	Seq. ID	OJ000222_06.0323.C1
Gene No.	87349	Strand	-
Start	544	End	830
Name	OJ000222_06.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	541	End	830
GI	none	Score	245
Exons	541..753, 543..830, 544..828, 744..830, 782..817		

Seq. No.	42062	Seq. ID	OJ000222_06.0323.C1
Gene No.	87349	Strand	-

Start	544	End	830
Name	OJ000222_06.0323.C1.o1.tc	Method	TBLASTX:Cress
Start	543	End	830
GI	none	Score	61
Exons	543..830, 546..671, 622..828		

Seq. No.	42062	Seq. ID	OJ000222_06.0323.C1
Gene No.	87349	Strand	-
Start	544	End	830
Name	OJ000222_06.0323.C1.o1.tm	Method	TBLASTX:Maize
Start	543	End	830
GI	none	Score	123
Exons	543..815, 543..830, 544..828		

Seq. No.	42062	Seq. ID	OJ000222_06.0323.C1
Gene No.	87349	Strand	-
Start	544	End	830
Name	OJ000222_06.0323.C1.o1.gs	Method	GENSCAN
Start	544	End	830
GI	none	Score	.8
Exons	544..830		

Seq. No.	42062	Seq. ID	OJ000222_06.0323.C1
Gene No.	87349	Strand	-
Start	544	End	830
Name	OJ000222_06.0323.C1.o1.np	Method	AAT/NAP
Start	544	End	830
GI	1346301	Score	408
Exons	544..830		
GI Descrip.	3-HYDROXY-3-METHYLGLUTARYL-COENZYME A REDUCTASE (HMG-COA REDUCTASE) gi|1071805|pir||S46314 hydroxymethylglutaryl CoA reductase - rice gi|455459 (L28995) 3-hydroxy-3-methylglutaryl coenzyme A reductase [Oryza sativa]		

Seq. No.	42063	Seq. ID	OJ000222_06.0323.C2
Gene No.	87350	Strand	+
Start	1	End	1862
Name	OJ000222_06.0323.C2.o1.np	Method	AAT/NAP
Start	1	End	1862
GI	6498441	Score	1448
Exons	1..114, 211..934, 1106..1315, 1821..1862		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	42063	Seq. ID	OJ000222_06.0323.C2
Gene No.	87350	Strand	+
Start	1	End	1862
Name	OJ000222_06.0323.C2.o1.gs	Method	GENSCAN
Start	93	End	1815
GI	none	Score	.48
Exons	93..1296, 1302..1815		

Seq. No.	42063	Seq. ID	OJ000222_06.0323.C2
Gene No.	87351	Strand	-
Start	2436	End	7206
Name	OJ000222_06.0323.C2.o1.ts	Method	TBLASTX:Soybean

Start	68	End	373
GI	none	Score	205
Exons	68..373		

Seq. No.	42063	Seq. ID	OJ000222_06.0323.C2
Gene No.	87351	Strand	-
Start	2436	End	7206
Name	OJ000222_06.0323.C2.o2.tw	Method	TBLASTX:Wheat
Start	68	End	424
GI	none	Score	329
Exons	68..424, 70..231		

Seq. No.	42063	Seq. ID	OJ000222_06.0323.C2
Gene No.	87351	Strand	-
Start	2436	End	7206
Name	OJ000222_06.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	70	End	427
GI	none	Score	234
Exons	70..318, 71..325, 344..427, 388..426		

Seq. No.	42063	Seq. ID	OJ000222_06.0323.C2
Gene No.	87351	Strand	-
Start	2436	End	7206
Name	OJ000222_06.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	782	End	1240
GI	none	Score	236
Exons	782..1003, 806..1030, 871..1047, 1091..1240, 1102..1239		

Seq. No.	42063	Seq. ID	OJ000222_06.0323.C2
Gene No.	87351	Strand	-
Start	2436	End	7206
Name	OJ000222_06.0323.C2.o3.tw	Method	TBLASTX:Wheat
Start	1303	End	1803
GI	none	Score	210
Exons	1303..1647, 1341..1484, 1677..1799, 1678..1803		

Seq. No.	42063	Seq. ID	OJ000222_06.0323.C2
Gene No.	87351	Strand	-
Start	2436	End	7206
Name	OJ000222_06.0323.C2.o2.gs	Method	GENSCAN
Start	2436	End	7206
GI	none	Score	.73
Exons	2436..4022, 4152..4311, 4415..4583, 4728..5695, 5866..6158, 6956..6977, 7083..7206		

Seq. No.	42063	Seq. ID	OJ000222_06.0323.C2
Gene No.	87351	Strand	-
Start	2436	End	7206
Name	OJ000222_06.0323.C2.o2.np	Method	AAT/NAP
Start	2439	End	5676
GI	6907089	Score	4212
Exons	2439..4311, 4415..5676		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42064	Seq. ID	OJ000222_06.0323.C3
Gene No.	87352	Strand	+
Start	899	End	2986

Name	OJ000222_06.0323.C3.o1.gs	Method	GENSCAN
Start	899	End	2986
GI	none	Score	.84
Exons	899..985, 1170..1232, 2670..2986		

Seq. No.	42064	Seq. ID	OJ000222_06.0323.C3
Gene No.	87353	Strand	+
Start	8327	End	8648
Name	OJ000222_06.0323.C3.o3.gs	Method	GENSCAN
Start	8327	End	8648
GI	none	Score	.68
Exons	8327..8344, 8405..8648		

Seq. No.	42064	Seq. ID	OJ000222_06.0323.C3
Gene No.	87354	Strand	-
Start	4374	End	7395
Name	OJ000222_06.0323.C3.o2.gs	Method	GENSCAN
Start	4374	End	7395
GI	none	Score	.56
Exons	4374..4490, 4974..5119, 6839..7177, 7266..7395		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87355	Strand	+
Start	18374	End	18676
Name	OJ000222_06.0323.C4.o3.gs	Method	GENSCAN
Start	18374	End	18676
GI	none	Score	.62
Exons	18374..18676		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87356	Strand	-
Start	3430	End	4673
Name	OJ000222_06.0323.C4.o1.np	Method	AAT/NAP
Start	3430	End	4673
GI	7228441	Score	92
Exons	3430..3469, 4504..4673		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	6741	End	8818
GI	none	Score	54
Exons	6741..6806, 6742..6825, 6821..6928, 6823..6918, 6825..6929, 6897..7049, 6914..7048, 6916..7077, 6917..7051, 7127..7228, 7128..7229, 7143..7229, 7661..7789, 7664..7792, 7668..7796, 7919..7990, 7923..7991, 8081..8530, 8084..8146, 8130..8495, 8429..8542, 8597..8689, 8597..8734, 8601..8732, 8791..8817, 8792..8818		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o1.gp	Method	AAT/GAP
Start	6748	End	8275
GI	38739_1.R1084	Score	1260

Exons	6748..7049, 7126..7226, 7664..7792, 7922..7990, 8084..8275		
GI Descrip.	'4902879/emb|CAB43602.1| 1.0e-24 (AJ006943) phosphoribosyl pyrophosphate synthase isozyme 4 [Spinacia oleracea]'		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o4.ts	Method	TBLASTX:Soybean
Start	6896	End	7190
GI	none	Score	112
Exons	6896..7033, 6916..7032, 7137..7190		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o4.tc	Method	TBLASTX:Cress
Start	6913	End	7199
GI	none	Score	125
Exons	6913..7047, 6914..7048, 6917..7066, 7125..7199		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o2.gs	Method	GENSCAN
Start	6916	End	15837
GI	none	Score	.58
Exons	6916..7049, 7127..7226, 7664..7828, 7922..8495, 8598..8789, 10442..11894, 12358..13187, 13269..13435, 13534..13875, 14313..14393, 14578..14701, 14836..14950, 15222..15283, 15491..15837		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o2.np	Method	AAT/NAP
Start	6919	End	8713
GI	4902879	Score	1188
Exons	6919..7046, 7127..7226, 7664..7792, 7922..7990, 8084..8495, 8598..8713		
GI Descrip.	(AJ006943) phosphoribosyl pyrophosphate synthase isozyme 4 [Spinacia oleracea]		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	7749	End	8728
GI	none	Score	57
Exons	7749..7793, 7751..7792, 7919..7990, 7920..7985, 8076..8489, 8081..8497, 8597..8689, 8597..8728		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	7919	End	8698
GI	none	Score	80

Exons	7919..7993, 7920..7982, 8129..8548, 8130..8501, 8597..8686, 8597..8698		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o2.gp	Method	AAT/GAP
Start	8347	End	8887
GI	71940_1.R1084	Score	830
Exons	8347..8495, 8598..8887		
GI Descrip.	'4512664/gb|AAD21718.1| 4.0e-32 (AC006931) putative ribose phosphate pyrophosphokinase [Arabidopsis thaliana] >gi_4544471_gb_AAD22378.1_AC006580_10 (AC006580) putative ribose phosphate pyrophosphokinase [Arabidopsis thaliana] >gi_4902472_emb_CAB43553.1_ (AJ012407) phosphoribosyl diphosphate synthase [Arabidopsis thaliana]'		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o3.gp	Method	AAT/GAP
Start	10187	End	10569
GI	none	Score	736
Exons	10187..10569		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o3.tm	Method	TBLASTX:Maize
Start	10196	End	10786
GI	none	Score	374
Exons	10196..10240, 10259..10285, 10429..10785, 10433..10786		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o2.tc	Method	TBLASTX:Cress
Start	10477	End	11004
GI	none	Score	173
Exons	10477..10869, 10481..10870, 10879..11004		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o6.tm	Method	TBLASTX:Maize
Start	10915	End	11200
GI	none	Score	150
Exons	10915..11061, 10916..11113, 10916..11062, 11065..11133, 11066..11200, 11073..11198		
Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o4.tm	Method	TBLASTX:Maize
Start	11201	End	11517
GI	none	Score	327
Exons	11201..11515, 11202..11516, 11215..11517		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o3.ts	Method	TBLASTX:Soybean
Start	11543	End	11904
GI	none	Score	181
Exons	11543..11722, 11548..11712, 11722..11904, 11726..11890		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o5.tm	Method	TBLASTX:Maize
Start	11643	End	12715
GI	none	Score	317
Exons	11643..11897, 11644..11904, 11645..11896, 11646..11897, 12356..12454, 12357..12410, 12401..12679, 12416..12715, 12561..12680		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	11660	End	12527
GI	none	Score	302
Exons	11660..11896, 11662..11904, 12356..12415, 12362..12415, 12413..12526, 12421..12525, 12432..12527		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o5.tc	Method	TBLASTX:Cress
Start	11674	End	11908
GI	none	Score	137
Exons	11674..11907, 11684..11908		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o2.ts	Method	TBLASTX:Soybean
Start	12827	End	13420
GI	none	Score	192
Exons	12827..13186, 12828..13187, 13269..13346, 13280..13420		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837
Name	OJ000222_06.0323.C4.o2.tm	Method	TBLASTX:Maize
Start	13322	End	14616
GI	none	Score	137
Exons	13322..13444, 13323..13436, 13324..13437, 13531..13875, 13534..13596, 13547..13876, 13556..13891, 13633..13887, 14307..14450, 14310..14396, 14312..14422, 14575..14616		

Seq. No.	42065	Seq. ID	OJ000222_06.0323.C4
Gene No.	87357	Strand	-
Start	6916	End	15837

Name	OJ000222_06.0323.C4.o3.tc	Method	TBLASTX:Cress
Start	15508	End	15822
GI	none	Score	101
Exons	15508..15642, 15509..15628, 15679..15822, 15680..15793		

Seq. No.	42066	Seq. ID	OJ000222_06.0323.C5
Gene No.	87358	Strand	+
Start	1	End	3756
Name	OJ000222_06.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	3744
GI	6642669	Score	515
Exons	1..42, 141..180, 351..447, 495..540, 1111..1223, 2443..2556, 2800..3116, 3261..3311, 3480..3572, 3652..3744		
GI Descrip.	(AC015450) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	42066	Seq. ID	OJ000222_06.0323.C5
Gene No.	87358	Strand	+
Start	1	End	3756
Name	OJ000222_06.0323.C5.o1.gs	Method	GENSCAN
Start	173	End	3756
GI	none	Score	.59
Exons	173..180, 495..540, 609..686, 1111..1203, 2428..2547, 2609..2673, 3050..3116, 3261..3311, 3480..3572, 3652..3756		

Seq. No.	42066	Seq. ID	OJ000222_06.0323.C5
Gene No.	87359	Strand	+
Start	5447	End	5537
Name	OJ000222_06.0323.C5.o2.np	Method	AAT/NAP
Start	5447	End	5537
GI	2499488	Score	105
Exons	5447..5537		
GI Descrip.	PYROPHOSPHATE--FRUCTOSE 6-PHOSPHATE 1-PHOSPHOTRANSFERASE ALPHA SUBUNIT (PFP) (6-PHOSPHOFRUCTOKINASE (PYROPHOSPHATE)) (PYROPHOSPHATE-DEPENDENT 6-PHOSPHOFRUCTOSE-1-KINASE) (PPI-PFK) gi|483547|emb|CAA83682| (Z32849) pyrophosphate-dependent phosphofructokinase alpha subunit [Ricinus communis]		

Seq. No.	42066	Seq. ID	OJ000222_06.0323.C5
Gene No.	87360	Strand	+
Start	5454	End	5543
Name	OJ000222_06.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	3002	End	3762
GI	none	Score	136
Exons	3002..3115, 3024..3119, 3027..3116, 3261..3314, 3263..3313, 3477..3575, 3478..3549, 3479..3574, 3634..3759, 3649..3762		

Seq. No.	42066	Seq. ID	OJ000222_06.0323.C5
Gene No.	87360	Strand	+
Start	5454	End	5543
Name	OJ000222_06.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	3485	End	3738
GI	none	Score	144
Exons	3485..3574, 3486..3575, 3486..3575, 3634..3738, 3651..3737		

Seq. No.	42066	Seq. ID	OJ000222_06.0323.C5
Gene No.	87360	Strand	+
Start	5454	End	5543

Name	OJ000222_06.0323.C5.o1.gp	Method	AAT/GAP
Start	5454	End	5543
GI	65692_1.R1084	Score	139
Exons	5454..5543		
GI Descrip.	'3790102 3.0e-51 (AF095521) pyrophosphate-dependent phosphofructokinase alpha subunit [Citrus X paradisi]'		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87361	Strand	+
Start	365	End	4981
Name	OJ000222_06.0323.C6.o1.np	Method	AAT/NAP
Start	365	End	4978
GI	2499488	Score	2089
Exons	365..629, 849..961, 1566..1754, 1843..1910, 2031..2114, 2357..2410, 2927..3007, 3094..3187, 3293..3366, 3434..3544, 3635..3679, 3783..3839, 3962..4066, 4150..4266, 4360..4463, 4579..4744, 4853..4978		
GI Descrip.	PYROPHOSPHATE--FRUCTOSE 6-PHOSPHATE 1-PHOSPHOTRANSFERASE ALPHA SUBUNIT (PFP) (6-PHOSPHOFRUCTOKINASE (PYROPHOSPHATE)) (PYROPHOSPHATE-DEPENDENT 6-PHOSPHOFRUCTOSE-1-KINASE) (PPI-PFK) gi|483547|emb|CAA83682| (Z32849) pyrophosphate-dependent phosphofructokinase alpha subunit [Ricinus communis]		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87361	Strand	+
Start	365	End	4981
Name	OJ000222_06.0323.C6.o1.gp	Method	AAT/GAP
Start	453	End	1654
GI	65692_1.R1084	Score	634
Exons	453..629, 849..964, 1568..1654		
GI Descrip.	'3790102 3.0e-51 (AF095521) pyrophosphate-dependent phosphofructokinase alpha subunit [Citrus X paradisi]'		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87361	Strand	+
Start	365	End	4981
Name	OJ000222_06.0323.C6.o1.gs	Method	GENSCAN
Start	457	End	4981
GI	none	Score	.95
Exons	457..629, 849..961, 1566..1754, 1843..1910, 2031..2114, 2357..2410, 3094..3187, 3293..3366, 3434..3544, 3635..3679, 3783..3839, 4150..4266, 4360..4463, 4579..4744, 4853..4981		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87361	Strand	+
Start	365	End	4981
Name	OJ000222_06.0323.C6.o2.gp	Method	AAT/GAP
Start	1660	End	3034
GI	LIB3434-047-P1-K1-G6	Score	635
Exons	1660..1754, 1843..1910, 2031..2114, 2357..2410, 2927..3034		
GI Descrip.	'2499488/sp|Q41140|PFPA_RICCO 8.0e-60 PYROPHOSPHATE--FRUCTOSE 6-PHOSPHATE 1-PHOSPHOTRANSFERASE ALPHA SUBUNIT (PFP) (6-PHOSPHOFRUCTOKINASE (PYROPHOSPHATE)) (PYROPHOSPHATE-DEPENDENT 6-PHOSPHOFRUCTOSE-1-KINASE) (PPI-PFK) >gi_483547_emb_CAA83682_ (Z32849) pyrophosphate-dependent phosphofructokinase alpha subunit [Ricinus communis]'		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87362	Strand	+
Start	5097	End	5213
Name	OJ000222_06.0323.C6.o3.gp	Method	AAT/GAP
Start	5097	End	5213
GI	LIB3433-037-P1-K1-D6	Score	141
Exons	5097..5213		
GI Descrip.	'455458/gb|L28995|RIC3H3M 9.0e-58 Oryza sativa 3-hydroxy-3-methylglutaryl coenzyme A reductase gene, complete cds'		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87363	Strand	+
Start	8022	End	10202
Name	OJ000222_06.0323.C6.o2.np	Method	AAT/NAP
Start	8022	End	10153
GI	6572073	Score	739
Exons	8022..8167, 8284..8358, 8448..8533, 8820..8926, 9112..9283, 9362..9474, 9587..9684, 9768..9855, 10055..10153		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87363	Strand	+
Start	8022	End	10202
Name	OJ000222_06.0323.C6.o4.gp	Method	AAT/GAP
Start	9449	End	10202
GI	LIB3433-031-P1-K1-C1	Score	612
Exons	9449..9474, 9587..9684, 9768..9855, 10055..10202		
GI Descrip.	'5630087/gb|AAD45832.1|AC004876_5 6.0e-10 (AC004876) similar to predicted proteins AAB54240 (PID:g2088822) and S67138 (PID:g2132925) [Homo sapiens]'		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87364	Strand	+
Start	10987	End	11452
Name	OJ000222_06.0323.C6.o5.gp	Method	AAT/GAP
Start	10987	End	11452
GI	55842_1.R1084	Score	896
Exons	10987..11452		
GI Descrip.	'455458/gb|L28995|RIC3H3M 9.0e-58 Oryza sativa 3-hydroxy-3-methylglutaryl coenzyme A reductase gene, complete cds'		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87365	Strand	+
Start	13414	End	15983
Name	OJ000222_06.0323.C6.o4.gs	Method	GENSCAN
Start	13414	End	15983
GI	none	Score	.68
Exons	13414..13591, 13633..13883, 14135..14162, 14315..14484, 14524..14900, 15105..15263, 15950..15983		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87366	Strand	+
Start	17670	End	18009
Name	OJ000222_06.0323.C6.o6.gp	Method	AAT/GAP
Start	17670	End	18009

GI	2428129	Score	635
Exons	17670..18009		
GI Descrip.	455458/gb|L28995|RIC3H3M 9.0e-58 Oryza sativa 3-hydroxy-3-methylglutaryl coenzyme A reductase gene, complete cds		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87366	Strand	+
Start	17670	End	18009
Name	OJ000222_06.0323.C6.o4.np	Method	AAT/NAP
Start	17872	End	18009
GI	1346301	Score	183
Exons	17872..18009		
GI Descrip.	3-HYDROXY-3-METHYLGLUTARYL-COENZYME A REDUCTASE (HMG-COA REDUCTASE) gi|1071805|pir||S46314 hydroxymethylglutaryl CoA reductase - rice gi|455459 (L28995) 3-hydroxy-3-methylglutaryl coenzyme A reductase [Oryza sativa]		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87367	Strand	-
Start	5325	End	8409
Name	OJ000222_06.0323.C6.o2.gs	Method	GENSCAN
Start	5325	End	8409
GI	none	Score	.51
Exons	5325..5515, 6256..6367, 6616..6848, 7035..7149, 7275..7446, 7657..7781, 7892..8087, 8180..8409		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87368	Strand	-
Start	10824	End	11276
Name	OJ000222_06.0323.C6.o3.gs	Method	GENSCAN
Start	10824	End	11276
GI	none	Score	.77
Exons	10824..11276		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	434	End	4966
GI	none	Score	218
Exons	434..610, 454..645, 454..657, 846..962, 846..968, 847..969, 848..985, 1564..1755, 1565..1756, 1565..1756, 1567..1773, 1837..1911, 1841..1912, 1842..1913, 2026..2124, 2028..2117, 2030..2125, 2030..2125, 2350..2409, 2354..2410, 2915..3031, 2924..3010, 3092..3178, 3093..3170, 3093..3191, 3094..3192, 3292..3366, 3292..3369, 3308..3448, 3428..3544, 3432..3542, 3433..3543, 3433..3546, 3434..3553, 3609..3680, 3631..3675, 3632..3682, 3644..3679, 3780..3839, 3782..3835, 3955..4065, 3960..4067, 3962..4066, 4143..4271, 4150..4266, 4355..4462, 4359..4463, 4359..4463, 4360..4464, 4573..4746, 4574..4759, 4579..4746, 4583..4747, 4848..4964, 4850..4966, 4852..4965		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o1.ts	Method	TBLASTX:Soybean

Start 454 End 4960
GI none Score 171
Exons 454..645, 456..629, 820..963, 846..968, 847..969, 1550..1753, 1564..1755, 1565..1756, 1591..1770, 1842..1913, 2028..2117, 2030..2116, 2354..2410, 2914..3009, 2924..3010, 3093..3191, 3094..3192, 3104..3202, 3292..3366, 3430..3543, 3432..3539, 3433..3540, 3434..3553, 3628..3666, 3632..3682, 3779..3835, 3780..3839, 3955..4062, 3962..4066, 3965..4066, 4147..4242, 4149..4262, 4150..4266, 4359..4460, 4359..4463, 4360..4464, 4574..4759, 4579..4755, 4846..4959, 4850..4960

Seq. No. 42067 Seq. ID OJ000222_06.0323.C6
Gene No. 87369 Strand -
Start 12724 End 14808
Name OJ000222_06.0323.C6.o3.tw Method TBLASTX:Wheat
Start 517 End 1665
GI none Score 190
Exons 517..645, 519..629, 846..956, 846..962, 847..963, 847..969, 848..988, 1564..1665, 1565..1663, 1576..1665

Seq. No. 42067 Seq. ID OJ000222_06.0323.C6
Gene No. 87369 Strand -
Start 12724 End 14808
Name OJ000222_06.0323.C6.o4.tc Method TBLASTX:Cress
Start 843 End 3007
GI none Score 38
Exons 843..866, 847..963, 852..908, 1565..1756, 1830..1913, 2028..2117, 2924..2953, 2945..3007

Seq. No. 42067 Seq. ID OJ000222_06.0323.C6
Gene No. 87369 Strand -
Start 12724 End 14808
Name OJ000222_06.0323.C6.o1.tw Method TBLASTX:Wheat
Start 4359 End 4718
GI none Score 111
Exons 4359..4460, 4359..4463, 4360..4506, 4574..4717, 4582..4716, 4583..4717, 4584..4718

Seq. No. 42067 Seq. ID OJ000222_06.0323.C6
Gene No. 87369 Strand -
Start 12724 End 14808
Name OJ000222_06.0323.C6.o2.tc Method TBLASTX:Cress
Start 4619 End 11068
GI none Score 201
Exons 4619..4759, 4624..4746, 4682..4768, 4850..4954, 4850..4930, 4852..4944, 5061..5090, 10892..11068

Seq. No. 42067 Seq. ID OJ000222_06.0323.C6
Gene No. 87369 Strand -
Start 12724 End 14808
Name OJ000222_06.0323.C6.o2.tw Method TBLASTX:Wheat
Start 4851 End 5071
GI none Score 178
Exons 4851..4964, 4852..4965, 4853..4966, 4853..4966, 5002..5070, 5012..5071

Seq. No. 42067 Seq. ID OJ000222_06.0323.C6

Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o3.tc	Method	TBLASTX:Cress
Start	8285	End	10129
GI	none	Score	62
Exons	8285..8365, 8431..8532, 8818..8925, 8819..8929, 9112..9267, 9114..9236, 9393..9470, 9394..9474, 9578..9682, 9593..9685, 9769..9858, 9771..9854, 10052..10129		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o5.tm	Method	TBLASTX:Maize
Start	8296	End	8532
GI	none	Score	80
Exons	8296..8361, 8297..8368, 8361..8495, 8431..8532, 8431..8532		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	8818	End	9643
GI	none	Score	127
Exons	8818..8928, 8819..8929, 9110..9268, 9111..9236, 9112..9270, 9112..9276, 9376..9474, 9387..9470, 9530..9643, 9578..9643		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o3.ts	Method	TBLASTX:Soybean
Start	9112	End	9474
GI	none	Score	202
Exons	9112..9270, 9114..9236, 9385..9474, 9390..9470		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o4.tm	Method	TBLASTX:Maize
Start	11400	End	13722
GI	none	Score	36
Exons	11400..11414, 11511..11573, 11539..11586, 11540..11584, 11560..11619, 11601..11717, 11642..11728, 11686..11718, 11712..11741, 11716..11742, 11740..11775, 11741..11782, 11742..11777, 12508..12591, 12512..12592, 12512..12592, 12522..12596, 12571..12615, 12593..12616, 12594..12617, 12619..12816, 12689..12814, 12692..12820, 12697..12816, 13027..13278, 13030..13281, 13354..13401, 13359..13403, 13670..13720, 13675..13722		

Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o3.np	Method	AAT/NAP
Start	12724	End	14808
GI	6554473	Score	536
Exons	12724..12815, 13023..13266, 13355..13430, 14246..14475, 14602..14808		

GI Descrip.	(AC012394) putative RNA-binding protein [Arabidopsis thaliana] gi|6642681|gb|AAF20261.1|AC015450_22 (AC015450) putative RNA-binding protein [Arabidopsis thaliana]		
Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	14347	End	14785
GI	none	Score	124
Exons	14347..14475, 14357..14476, 14576..14653, 14596..14775, 14714..14785		
Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	14374	End	14794
GI	none	Score	89
Exons	14374..14460, 14375..14443, 14440..14475, 14444..14488, 14597..14653, 14602..14772, 14696..14794, 14714..14794		
Seq. No.	42067	Seq. ID	OJ000222_06.0323.C6
Gene No.	87369	Strand	-
Start	12724	End	14808
Name	OJ000222_06.0323.C6.o3.tm	Method	TBLASTX:Maize
Start	14377	End	14758
GI	none	Score	101
Exons	14377..14475, 14378..14476, 14576..14653, 14596..14757, 14711..14758		
Seq. No.	42068	Seq. ID	OJ000222_06.0323.C7
Gene No.	87370	Strand	+
Start	1	End	2780
Name	OJ000222_06.0323.C7.o1.np	Method	AAT/NAP
Start	1	End	2777
GI	1346301	Score	1180
Exons	1..21, 1165..1349, 1963..2309, 2538..2777		
GI Descrip.	3-HYDROXY-3-METHYLGLUTARYL-COENZYME A REDUCTASE (HMG-COA REDUCTASE) gi|1071805|pir||S46314 hydroxymethylglutaryl CoA reductase - rice gi|455459 (L28995) 3-hydroxy-3-methylglutaryl coenzyme A reductase [Oryza sativa]		
Seq. No.	42068	Seq. ID	OJ000222_06.0323.C7
Gene No.	87370	Strand	+
Start	1	End	2780
Name	OJ000222_06.0323.C7.o1.gs	Method	GENSCAN
Start	1271	End	2780
GI	none	Score	.94
Exons	1271..1349, 1963..2309, 2538..2780		
Seq. No.	42068	Seq. ID	OJ000222_06.0323.C7
Gene No.	87371	Strand	-
Start	3173	End	4215
Name	OJ000222_06.0323.C7.o2.gs	Method	GENSCAN
Start	3173	End	4215
GI	none	Score	.53

Exons	3173..3314, 3587..3690, 4015..4215		
Seq. No.	42068	Seq. ID	OJ000222_06.0323.C7
Gene No.	87372	Strand	-
Start	8301	End	11290
Name	OJ000222_06.0323.C7.o1.ts	Method	TBLASTX:Soybean
Start	1155	End	2779
GI	none	Score	72
Exons	1155..1283, 1165..1299, 1166..1324, 1280..1351, 1296..1337, 1312..1380, 1958..2311, 1959..2312, 1962..2318, 2209..2334, 2210..2317, 2535..2762, 2537..2779, 2537..2767		
Seq. No.	42068	Seq. ID	OJ000222_06.0323.C7
Gene No.	87372	Strand	-
Start	8301	End	11290
Name	OJ000222_06.0323.C7.o1.tc	Method	TBLASTX:Cress
Start	1165	End	2762
GI	none	Score	240
Exons	1165..1410, 1166..1351, 1210..1380, 1958..2311, 1959..2312, 1962..2312, 2535..2762, 2537..2758		
Seq. No.	42068	Seq. ID	OJ000222_06.0323.C7
Gene No.	87372	Strand	-
Start	8301	End	11290
Name	OJ000222_06.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	1165	End	2767
GI	none	Score	274
Exons	1165..1410, 1166..1351, 1168..1380, 1958..2311, 1959..2312, 2535..2762, 2537..2767		
Seq. No.	42068	Seq. ID	OJ000222_06.0323.C7
Gene No.	87372	Strand	-
Start	8301	End	11290
Name	OJ000222_06.0323.C7.o4.gs	Method	GENSCAN
Start	8301	End	11290
GI	none	Score	.56
Exons	8301..8782, 8825..8921, 10813..10868, 11250..11290		
Seq. No.	42069	Seq. ID	OJ000222_06.0323.C8
Gene No.	87373	Strand	+
Start	4395	End	6430
Name	OJ000222_06.0323.C8.o1.np	Method	AAT/NAP
Start	4395	End	6020
GI	7486887	Score	567
Exons	4395..4477, 5147..6020		
GI Descrip.	hypothetical protein T12H17.200 - Arabidopsis thaliana gi|2827558|emb|CAA16566.1| (AL021635) putative DNA binding protein [Arabidopsis thaliana] gi|7269128|emb|CAB79236.1| (AL161558) putative DNA binding protein [Arabidopsis thaliana]		
Seq. No.	42069	Seq. ID	OJ000222_06.0323.C8
Gene No.	87373	Strand	+
Start	4395	End	6430
Name	OJ000222_06.0323.C8.o1.gp	Method	AAT/GAP
Start	4440	End	4693
GI	1631453	Score	464
Exons	4440..4693		

Seq. No.	42069	Seq. ID	OJ000222_06.0323.C8
Gene No.	87373	Strand	+
Start	4395	End	6430
Name	OJ000222_06.0323.C8.o2.gp	Method	AAT/GAP
Start	5914	End	6430
GI	2800496	Score	843
Exons	5914..6430		

Seq. No.	42069	Seq. ID	OJ000222_06.0323.C8
Gene No.	87374	Strand	+
Start	6766	End	7068
Name	OJ000222_06.0323.C8.o1.tc	Method	TBLASTX:Cress
Start	5390	End	5587
GI	none	Score	191
Exons	5390..5587		

Seq. No.	42069	Seq. ID	OJ000222_06.0323.C8
Gene No.	87374	Strand	+
Start	6766	End	7068
Name	OJ000222_06.0323.C8.o1.ts	Method	TBLASTX:Soybean
Start	5390	End	5584
GI	none	Score	200
Exons	5390..5584		

Seq. No.	42069	Seq. ID	OJ000222_06.0323.C8
Gene No.	87374	Strand	+
Start	6766	End	7068
Name	OJ000222_06.0323.C8.o1.tw	Method	TBLASTX:Wheat
Start	5390	End	5638
GI	none	Score	196
Exons	5390..5584, 5401..5577, 5570..5638		

Seq. No.	42069	Seq. ID	OJ000222_06.0323.C8
Gene No.	87374	Strand	+
Start	6766	End	7068
Name	OJ000222_06.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	5390	End	5637
GI	none	Score	197
Exons	5390..5608, 5390..5560, 5581..5637		

Seq. No.	42069	Seq. ID	OJ000222_06.0323.C8
Gene No.	87374	Strand	+
Start	6766	End	7068
Name	OJ000222_06.0323.C8.o3.gp	Method	AAT/GAP
Start	6766	End	7068
GI	uC-osflcyp127g10a1	Score	552
Exons	6766..7068		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42070	Seq. ID	OJ000222_06.0323.C9
Gene No.	87375	Strand	+
Start	463	End	2386
Name	OJ000222_06.0323.C9.o1.gs	Method	GENSCAN
Start	463	End	2386
GI	none	Score	.43

Exons	463..489, 512..663, 1829..2084, 2222..2386		
Seq. No.	42070	Seq. ID	OJ000222_06.0323.C9
Gene No.	87376	Strand	-
Start	3305	End	5001
Name	OJ000222_06.0323.C9.o1.np	Method	AAT/NAP
Start	3305	End	4721
GI	1091678	Score	292
Exons	3305..3342, 3529..3625, 3917..4721		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		
Seq. No.	42070	Seq. ID	OJ000222_06.0323.C9
Gene No.	87376	Strand	-
Start	3305	End	5001
Name	OJ000222_06.0323.C9.o2.tm	Method	TBLASTX:Maize
Start	3775	End	5001
GI	none	Score	192
Exons	3775..3828, 3929..4126, 3933..4124, 4753..5001, 4754..4975		
Seq. No.	42070	Seq. ID	OJ000222_06.0323.C9
Gene No.	87376	Strand	-
Start	3305	End	5001
Name	OJ000222_06.0323.C9.o1.ts	Method	TBLASTX:Soybean
Start	3944	End	4157
GI	none	Score	165
Exons	3944..4147, 3945..4157		
Seq. No.	42070	Seq. ID	OJ000222_06.0323.C9
Gene No.	87376	Strand	-
Start	3305	End	5001
Name	OJ000222_06.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	4127	End	4701
GI	none	Score	68
Exons	4127..4237, 4127..4312, 4262..4570, 4347..4562, 4558..4701, 4591..4698		
Seq. No.	42071	Seq. ID	OJ000222_06.0323.C11
Gene No.	87377	Strand	+
Start	320	End	3136
Name	OJ000222_06.0323.C11.o1.gs	Method	GENSCAN
Start	320	End	3136
GI	none	Score	.96
Exons	320..439, 1022..1142, 1312..2196, 2735..3136		
Seq. No.	42071	Seq. ID	OJ000222_06.0323.C11
Gene No.	87378	Strand	+
Start	4587	End	5331
Name	OJ000222_06.0323.C11.o1.gp	Method	AAT/GAP
Start	4587	End	5331
GI	none	Score	737
Exons	4587..5012, 5306..5331		
Seq. No.	42071	Seq. ID	OJ000222_06.0323.C11
Gene No.	87379	Strand	-
Start	3505	End	7063
Name	OJ000222_06.0323.C11.o2.tm	Method	TBLASTX:Maize
Start	88	End	516

GI	none	Score	148
Exons	88..141, 217..516		

Seq. No.	42071	Seq. ID	OJ000222_06.0323.C11
Gene No.	87379	Strand	-
Start	3505	End	7063
Name	OJ000222_06.0323.C11.o1.tw	Method	TBLASTX:Wheat
Start	1324	End	1707
GI	none	Score	131
Exons	1324..1524, 1324..1452, 1326..1463, 1534..1707		

Seq. No.	42071	Seq. ID	OJ000222_06.0323.C11
Gene No.	87379	Strand	-
Start	3505	End	7063
Name	OJ000222_06.0323.C11.o2.gs	Method	GENSCAN
Start	3505	End	7010
GI	none	Score	.54
Exons	3505..3684, 3816..3974, 4317..4349, 4838..4982, 6157..6259, 6656..6721, 6782..7010		

Seq. No.	42071	Seq. ID	OJ000222_06.0323.C11
Gene No.	87379	Strand	-
Start	3505	End	7063
Name	OJ000222_06.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	4851	End	7056
GI	none	Score	119
Exons	4851..4889, 4873..4983, 4874..4984, 4905..4985, 6780..7013, 6781..7011, 6783..7013, 7018..7056		

Seq. No.	42071	Seq. ID	OJ000222_06.0323.C11
Gene No.	87379	Strand	-
Start	3505	End	7063
Name	OJ000222_06.0323.C11.o1.tc	Method	TBLASTX:Cress
Start	4906	End	7025
GI	none	Score	88
Exons	4906..4983, 4913..4984, 6780..7025, 6781..7023		

Seq. No.	42071	Seq. ID	OJ000222_06.0323.C11
Gene No.	87379	Strand	-
Start	3505	End	7063
Name	OJ000222_06.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	4906	End	7013
GI	none	Score	101
Exons	4906..4983, 4910..4984, 6780..7013, 6781..7011		

Seq. No.	42071	Seq. ID	OJ000222_06.0323.C11
Gene No.	87379	Strand	-
Start	3505	End	7063
Name	OJ000222_06.0323.C11.o2.np	Method	AAT/NAP
Start	4915	End	7063
GI	7489345	Score	447
Exons	4915..4982, 6782..7063		
GI Descrip.	thioredoxin reductase (NADPH) (EC 1.6.4.5) - common sunflower (fragment) gi|536838|gb|AAA33376.1| (L36129) NADPH thioredoxin reductase [Helianthus annuus]		

Seq. No.	42072	Seq. ID	OJ000222_06.0323.C12

Gene No.	87380	Strand	+
Start	5191	End	5587
Name	OJ000222_06.0323.C12.o2.np	Method	AAT/NAP
Start	5191	End	5587
GI	7340884	Score	143
Exons	5191..5382, 5557..5587		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	42072	Seq. ID	OJ000222_06.0323.C12
Gene No.	87381	Strand	-
Start	1	End	2853
Name	OJ000222_06.0323.C12.o1.gp	Method	AAT/GAP
Start	1	End	376
GI	11446_1.R1084	Score	644
Exons	1..376		
GI Descrip.	'5830788/emb|CAB54874.1| 2.0e-47 (AL117188) thioredoxin reductase (NADPH) 2 [Arabidopsis thaliana]'		

Seq. No.	42072	Seq. ID	OJ000222_06.0323.C12
Gene No.	87381	Strand	-
Start	1	End	2853
Name	OJ000222_06.0323.C12.o1.np	Method	AAT/NAP
Start	1	End	2853
GI	2262173	Score	275
Exons	1..220, 2694..2853		
GI Descrip.	(AC002329) putative thioredoxin reductase [Arabidopsis thaliana]		

Seq. No.	42072	Seq. ID	OJ000222_06.0323.C12
Gene No.	87381	Strand	-
Start	1	End	2853
Name	OJ000222_06.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	1	End	215
GI	none	Score	245
Exons	1..213, 1..63, 3..215		

Seq. No.	42072	Seq. ID	OJ000222_06.0323.C12
Gene No.	87381	Strand	-
Start	1	End	2853
Name	OJ000222_06.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	3	End	246
GI	none	Score	251
Exons	3..245, 4..246		

Seq. No.	42072	Seq. ID	OJ000222_06.0323.C12
Gene No.	87381	Strand	-
Start	1	End	2853
Name	OJ000222_06.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	6	End	215
GI	none	Score	78
Exons	6..215, 15..146, 16..213		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87382	Strand	+
Start	1	End	4376
Name	OJ000222_06.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	4349

GI	6466937	Score	1320
Exons	1..63, 1563..4349		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87382	Strand	+
Start	1	End	4376
Name	OJ000222_06.0323.C13.o2.gs	Method	GENSCAN
Start	1180	End	4376
GI	none	Score	.65
Exons	1180..2679, 2833..3185, 3230..3334, 3497..3678, 3772..4376		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87383	Strand	-
Start	396	End	792
Name	OJ000222_06.0323.C13.o1.gs	Method	GENSCAN
Start	396	End	792
GI	none	Score	.42
Exons	396..605, 766..792		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o3.ts	Method	TBLASTX:Soybean
Start	424	End	611
GI	none	Score	138
Exons	424..609, 426..611		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	456	End	611
GI	none	Score	159
Exons	456..611, 457..609		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	3034	End	3515
GI	none	Score	81
Exons	3034..3168, 3177..3515, 3177..3431, 3185..3511		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	3094	End	3569
GI	none	Score	80
Exons	3094..3174, 3165..3569, 3165..3473, 3173..3568		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o4.ts	Method	TBLASTX:Soybean

Start	3180	End	3387
GI	none	Score	183
Exons	3180..3383, 3181..3387		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o2.tc	Method	TBLASTX:Cress
Start	3186	End	3479
GI	none	Score	182
Exons	3186..3479		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	3498	End	3851
GI	none	Score	339
Exons	3498..3851, 3500..3850		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o2.tw	Method	TBLASTX:Wheat
Start	3564	End	3965
GI	none	Score	318
Exons	3564..3965, 3564..3965		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	3584	End	4121
GI	none	Score	582
Exons	3584..4093, 3588..4121, 3591..4109		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o2.ts	Method	TBLASTX:Soybean
Start	3873	End	4118
GI	none	Score	213
Exons	3873..4118, 3891..4028, 3899..4033		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o3.tm	Method	TBLASTX:Maize
Start	4122	End	4315
GI	none	Score	193
Exons	4122..4304, 4127..4315		

Seq. No.	42073	Seq. ID	OJ000222_06.0323.C13
Gene No.	87384	Strand	-
Start	4425	End	4583
Name	OJ000222_06.0323.C13.o2.np	Method	AAT/NAP
Start	4425	End	4583

GI	7523512	Score	109
Exons	4425..4583		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87385	Strand	+
Start	142	End	11640
Name	OJ000222_06.0323.C14.o6.np	Method	AAT/NAP
Start	142	End	11640
GI	7446017	Score	81
Exons	142..266, 8594..8760, 11346..11640		
GI Descrip.	hypothetical glycine-rich protein Rv1091 - Mycobacterium tuberculosis (strain H37RV) gi|2896728|emb|CAA17207.1| (AL021897) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87385	Strand	+
Start	142	End	11640
Name	OJ000222_06.0323.C14.o3.gs	Method	GENSCAN
Start	5139	End	11484
GI	none	Score	.63
Exons	5139..5225, 5415..5600, 5674..5797, 5858..6039, 6363..6821, 6873..7023, 7376..7530, 7557..8036, 8839..8911, 9027..9070, 9436..9606, 11406..11484		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87385	Strand	+
Start	142	End	11640
Name	OJ000222_06.0323.C14.o3.np	Method	AAT/NAP
Start	5681	End	7259
GI	6466937	Score	816
Exons	5681..7067, 7166..7259		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87386	Strand	-
Start	1	End	3992
Name	OJ000222_06.0323.C14.o2.np	Method	AAT/NAP
Start	1	End	3992
GI	6539586	Score	1535
Exons	1..56, 542..623, 1185..1253, 1427..1808, 2987..3459, 3505..3992		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87386	Strand	-
Start	1	End	3992
Name	OJ000222_06.0323.C14.o1.gs	Method	GENSCAN
Start	146	End	506
GI	none	Score	.69
Exons	146..506		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87386	Strand	-
Start	1	End	3992
Name	OJ000222_06.0323.C14.o1.np	Method	AAT/NAP
Start	228	End	2996

GI	7228457	Score	4074
Exons	228..569, 633..2563, 2625..2996		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87386	Strand	-
Start	1	End	3992
Name	OJ000222_06.0323.C14.o2.gs	Method	GENSCAN
Start	570	End	3992
GI	none	Score	.64
Exons	570..1914, 1932..2044, 2187..3992		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o1.tw	Method	TBLASTX:Wheat
Start	228	End	561
GI	none	Score	234
Exons	228..560, 256..561		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o3.tm	Method	TBLASTX:Maize
Start	228	End	431
GI	none	Score	123
Exons	228..431, 256..396		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o2.tw	Method	TBLASTX:Wheat
Start	753	End	1212
GI	none	Score	76
Exons	753..992, 753..1211, 919..1017, 1075..1212		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o3.tw	Method	TBLASTX:Wheat
Start	1950	End	2342
GI	none	Score	91
Exons	1950..2207, 1984..2223, 2190..2288, 2191..2283, 2295..2342		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o4.tm	Method	TBLASTX:Maize
Start	2052	End	2337
GI	none	Score	91
Exons	2052..2300, 2053..2337		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787

Name	OJ000222_06.0323.C14.o5.np	Method	AAT/NAP
Start	5405	End	8787
GI	2914731	Score	90
Exons	5405..5441, 7436..7511, 7675..8154, 8620..8787		
GI Descrip.	(U37520) dragline silk protein spidroin 1 [Nephila clavipes]		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o5.tw	Method	TBLASTX:Wheat
Start	5626	End	7465
GI	none	Score	294
Exons	5626..5964, 5673..5822, 5892..5963, 7373..7465		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	5797	End	6428
GI	none	Score	492
Exons	5797..6288, 5799..6113, 5989..6285, 6285..6428, 6288..6419		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	5818	End	6201
GI	none	Score	295
Exons	5818..6201, 5856..6116		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o6.tw	Method	TBLASTX:Wheat
Start	6052	End	6437
GI	none	Score	148
Exons	6052..6297, 6285..6437		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	6438	End	7052
GI	none	Score	335
Exons	6438..6872, 6438..6806, 6536..6808, 6834..7052		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o4.tw	Method	TBLASTX:Wheat
Start	6506	End	6908
GI	none	Score	97
Exons	6506..6805, 6516..6806, 6536..6838, 6561..6908		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787

Name	OJ000222_06.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	7346	End	7486
GI	none	Score	159
Exons	7346..7486, 7363..7485		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o2.ts	Method	TBLASTX:Soybean
Start	7346	End	7486
GI	none	Score	112
Exons	7346..7486, 7363..7485		

Seq. No.	42074	Seq. ID	OJ000222_06.0323.C14
Gene No.	87387	Strand	-
Start	5405	End	8787
Name	OJ000222_06.0323.C14.o4.np	Method	AAT/NAP
Start	7362	End	7505
GI	7487477	Score	173
Exons	7362..7505		
GI Descrip.	hypothetical protein T27E13.13 - Arabidopsis thaliana gi|3150407|gb|AAC16959.1| (AC004165) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42075	Seq. ID	OJ000222_07.0328.C1
Gene No.	87388	Strand	+
Start	2820	End	4285
Name	OJ000222_07.0328.C1.o2.gs	Method	GENSCAN
Start	2820	End	4285
GI	none	Score	.59
Exons	2820..2902, 3302..3552, 3960..4285		

Seq. No.	42075	Seq. ID	OJ000222_07.0328.C1
Gene No.	87389	Strand	-
Start	500	End	3679
Name	OJ000222_07.0328.C1.o1.ts	Method	TBLASTX:Soybean
Start	497	End	2191
GI	none	Score	97
Exons	497..763, 515..691, 663..764, 745..771, 1326..1616, 1329..1448, 1465..1587, 1775..2191, 1776..1892, 1992..2024, 2103..2189		

Seq. No.	42075	Seq. ID	OJ000222_07.0328.C1
Gene No.	87389	Strand	-
Start	500	End	3679
Name	OJ000222_07.0328.C1.o1.gs	Method	GENSCAN
Start	500	End	2206
GI	none	Score	.97
Exons	500..757, 1329..1731, 1737..2206		

Seq. No.	42075	Seq. ID	OJ000222_07.0328.C1
Gene No.	87389	Strand	-
Start	500	End	3679
Name	OJ000222_07.0328.C1.o1.tm	Method	TBLASTX:Maize
Start	503	End	2215
GI	none	Score	155
Exons	503..607, 506..613, 608..652, 653..766, 663..761, 1326..1451, 1326..1553, 1465..1554, 1536..1658, 1536..1613, 1556..1657,		

1736..1813, 1739..1798, 1776..2027, 1796..2050, 1991..2068, 2087..2215, 2102..2206, 2188..2214

Seq. No.	42075	Seq. ID	OJ000222_07.0328.C1
Gene No.	87389	Strand	-
Start	500	End	3679
Name	OJ000222_07.0328.C1.o1.tc	Method	TBLASTX:Cress
Start	509	End	2191
GI	none	Score	88
Exons	509..763, 666..755, 1320..1436, 1326..1544, 1465..1545, 1530..1616, 1799..1894, 1836..2024, 1940..2050, 2105..2137, 2156..2191		

Seq. No.	42075	Seq. ID	OJ000222_07.0328.C1
Gene No.	87389	Strand	-
Start	500	End	3679
Name	OJ000222_07.0328.C1.o1.np	Method	AAT/NAP
Start	515	End	3679
GI	6016680	Score	349
Exons	515..757, 1329..1726, 1832..2184, 3585..3679		
GI Descrip.	(AC009991) putative leucoanthocyanidin dioxygenase [Arabidopsis thaliana]		

Seq. No.	42075	Seq. ID	OJ000222_07.0328.C1
Gene No.	87389	Strand	-
Start	500	End	3679
Name	OJ000222_07.0328.C1.o2.tw	Method	TBLASTX:Wheat
Start	1338	End	1544
GI	none	Score	79
Exons	1338..1451, 1338..1544		

Seq. No.	42075	Seq. ID	OJ000222_07.0328.C1
Gene No.	87390	Strand	
Start	4621	End	4927
Name	OJ000222_07.0328.C1.o1.tw	Method	TBLASTX:Wheat
Start	4621	End	4927
GI	none	Score	89
Exons	4621..4767, 4662..4763, 4778..4852, 4779..4856, 4783..4857, 4783..4854, 4845..4925, 4856..4927, 4857..4919, 4858..4926		

Seq. No.	42076	Seq. ID	OJ000222_07.0328.C2
Gene No.	87391	Strand	-
Start	1	End	1059
Name	OJ000222_07.0328.C2.o1.np	Method	AAT/NAP
Start	1	End	1059
GI	6630696	Score	1651
Exons	1..1059		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	42076	Seq. ID	OJ000222_07.0328.C2
Gene No.	87391	Strand	-
Start	1	End	1059
Name	OJ000222_07.0328.C2.o1.tw	Method	TBLASTX:Wheat
Start	3	End	456
GI	none	Score	360

Exons	3..365, 4..366, 375..455, 376..456		
Seq. No.	42076	Seq. ID	OJ000222_07.0328.C2
Gene No.	87391	Strand	-
Start	1	End	1059
Name	OJ000222_07.0328.C2.o1.gs	Method	GENSCAN
Start	42	End	1052
GI	none	Score	.71
Exons	42..1052		
Seq. No.	42076	Seq. ID	OJ000222_07.0328.C2
Gene No.	87391	Strand	-
Start	1	End	1059
Name	OJ000222_07.0328.C2.o2.ts	Method	TBLASTX:Soybean
Start	108	End	449
GI	none	Score	113
Exons	108..317, 163..312, 336..449, 355..414		
Seq. No.	42076	Seq. ID	OJ000222_07.0328.C2
Gene No.	87391	Strand	-
Start	1	End	1059
Name	OJ000222_07.0328.C2.o1.tm	Method	TBLASTX:Maize
Start	319	End	659
GI	none	Score	82
Exons	319..558, 320..559, 321..659, 322..624		
Seq. No.	42076	Seq. ID	OJ000222_07.0328.C2
Gene No.	87391	Strand	-
Start	1	End	1059
Name	OJ000222_07.0328.C2.o1.ts	Method	TBLASTX:Soybean
Start	462	End	810
GI	none	Score	76
Exons	462..650, 478..633, 645..809, 682..810		
Seq. No.	42076	Seq. ID	OJ000222_07.0328.C2
Gene No.	87391	Strand	-
Start	1	End	1059
Name	OJ000222_07.0328.C2.o2.tw	Method	TBLASTX:Wheat
Start	663	End	1058
GI	none	Score	61
Exons	663..872, 691..795, 864..1052, 993..1058		
Seq. No.	42076	Seq. ID	OJ000222_07.0328.C2
Gene No.	87391	Strand	-
Start	1	End	1059
Name	OJ000222_07.0328.C2.o2.tm	Method	TBLASTX:Maize
Start	675	End	1052
GI	none	Score	55
Exons	675..1052, 859..939		
Seq. No.	42076	Seq. ID	OJ000222_07.0328.C2
Gene No.	87391	Strand	-
Start	1	End	1059
Name	OJ000222_07.0328.C2.o3.ts	Method	TBLASTX:Soybean
Start	825	End	1055
GI	none	Score	85
Exons	825..1052, 885..1055, 889..1053		

Seq. No.	42077	Seq. ID	OJ000222_07.0328.C3
Gene No.	87392	Strand	-
Start	400	End	1070
Name	OJ000222_07.0328.C3.o1.gs	Method	GENSCAN
Start	400	End	1070
GI	none	Score	.45
Exons	400..437, 931..1070		

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87393	Strand	+
Start	4941	End	9248
Name	OJ000222_07.0328.C4.o1.np	Method	AAT/NAP
Start	4941	End	9021
GI	3687224	Score	952
Exons	4941..4994, 6267..6343, 6464..6571, 6722..6820, 7049..7139, 7404..7523, 7762..7822, 7961..8041, 8232..8311, 8429..8518, 8692..8820, 8917..9021		
GI Descrip.	(AC005169) putative N-acetyl-gamma-glutamyl-phosphate reductase [Arabidopsis thaliana]		

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87393	Strand	+
Start	4941	End	9248
Name	OJ000222_07.0328.C4.o2.gs	Method	GENSCAN
Start	5528	End	9024
GI	none	Score	.84
Exons	5528..5584, 6203..6343, 6464..6571, 7068..7139, 7404..7523, 7762..7822, 7961..8041, 8112..8173, 8429..8518, 8692..8820, 8917..9024		

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87393	Strand	+
Start	4941	End	9248
Name	OJ000222_07.0328.C4.o2.gp	Method	AAT/GAP
Start	8464	End	9248
GI	uC-osflcyp122g01b1	Score	960
Exons	8464..8518, 8692..8820, 8917..9248		
GI Descrip.	'3687224 4.0e-29 (AC005169) putative N-acetyl-gamma-glutamyl-phosphate reductase [Arabidopsis thaliana]'		

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87394	Strand	-
Start	856	End	3364
Name	OJ000222_07.0328.C4.o1.gs	Method	GENSCAN
Start	856	End	3364
GI	none	Score	.66
Exons	856..1464, 1478..1846, 2532..2782, 2900..3163, 3313..3364		

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87395	Strand	
Start	6054	End	7139
Name	OJ000222_07.0328.C4.o2.tm	Method	TBLASTX:Maize
Start	6054	End	6787
GI	none	Score	49
Exons	6054..6116, 6199..6372, 6199..6342, 6269..6349, 6461..6571,		

6462..6572, 6463..6573, 6463..6573, 6682..6753, 6692..6754,
6752..6787, 6752..6787

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87395	Strand	
Start	6054	End	7139
Name	OJ000222_07.0328.C4.o2.ts	Method	TBLASTX:Soybean
Start	6287	End	7139
GI	none	Score	66
Exons	6287..6346, 6295..6357, 6461..6568, 6472..6567, 6481..6573, 6682..6771, 6682..6777, 6695..6787, 6695..6787, 6903..6974, 6923..6976, 6924..6974, 7067..7129, 7068..7139		

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87396	Strand	
Start	7404	End	9225
Name	OJ000222_07.0328.C4.o3.ts	Method	TBLASTX:Soybean
Start	7404	End	7824
GI	none	Score	189
Exons	7404..7523, 7406..7522, 7759..7824, 7761..7823		

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87396	Strand	
Start	7404	End	9225
Name	OJ000222_07.0328.C4.o1.tw	Method	TBLASTX:Wheat
Start	7409	End	8448
GI	none	Score	189
Exons	7409..7522, 7410..7523, 7410..7523, 7412..7525, 7733..7822, 7756..7824, 7759..7824, 7958..8041, 7959..8039, 7960..8040, 7960..8052, 8230..8310, 8231..8311, 8231..8314, 8410..8448, 8428..8448		

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87396	Strand	
Start	7404	End	9225
Name	OJ000222_07.0328.C4.o3.tm	Method	TBLASTX:Maize
Start	7968	End	8518
GI	none	Score	117
Exons	7968..8039, 7969..8040, 7970..8041, 8230..8310, 8231..8311, 8429..8518, 8429..8518		

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87396	Strand	
Start	7404	End	9225
Name	OJ000222_07.0328.C4.o1.ts	Method	TBLASTX:Soybean
Start	8230	End	9015
GI	none	Score	98
Exons	8230..8310, 8231..8311, 8390..8518, 8428..8520, 8431..8520, 8680..8823, 8694..8819, 8916..8999, 8917..9015, 8920..9006		

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87396	Strand	
Start	7404	End	9225
Name	OJ000222_07.0328.C4.o1.tm	Method	TBLASTX:Maize
Start	8718	End	9225
GI	none	Score	150
Exons	8718..8819, 8718..8819, 8719..8823, 8720..8827, 8916..9047,		

8917..9039, 8919..9053, 9154..9183, 9158..9190, 9196..9225

Seq. No.	42078	Seq. ID	OJ000222_07.0328.C4
Gene No.	87396	Strand	
Start	7404	End	9225
Name	OJ000222_07.0328.C4.o1.tc	Method	TBLASTX:Cress
Start	8728	End	9030
GI	none	Score	113
Exons	8728..8823, 8745..8819, 8916..9020, 8917..9030		

Seq. No.	42079	Seq. ID	OJ000222_07.0328.C5
Gene No.	87397	Strand	+
Start	147	End	622
Name	OJ000222_07.0328.C5.o1.gs	Method	GENSCAN
Start	147	End	622
GI	none	Score	.88
Exons	147..196, 544..622		

Seq. No.	42079	Seq. ID	OJ000222_07.0328.C5
Gene No.	87398	Strand	+
Start	1487	End	2883
Name	OJ000222_07.0328.C5.o2.gs	Method	GENSCAN
Start	1487	End	2883
GI	none	Score	.97
Exons	1487..1972, 2091..2315, 2401..2466, 2602..2667, 2794..2883		

Seq. No.	42079	Seq. ID	OJ000222_07.0328.C5
Gene No.	87398	Strand	+
Start	1487	End	2883
Name	OJ000222_07.0328.C5.o1.np	Method	AAT/NAP
Start	2120	End	2871
GI	7485622	Score	253
Exons	2120..2315, 2401..2466, 2602..2667, 2794..2871		
GI Descrip.	hypothetical protein F17I5.70 - Arabidopsis thaliana gi|3297812|emb|CAA19870.1| (AL031032) putative protein [Arabidopsis thaliana] gi|7270337|emb|CAB80105.1| (AL161584) putative protein [Arabidopsis thaliana]		

Seq. No.	42079	Seq. ID	OJ000222_07.0328.C5
Gene No.	87399	Strand	+
Start	9564	End	11531
Name	OJ000222_07.0328.C5.o2.np	Method	AAT/NAP
Start	9564	End	11531
GI	5922605	Score	439
Exons	9564..9585, 10964..11531		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6498468|dbj|BAA87857.1| (AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	42079	Seq. ID	OJ000222_07.0328.C5
Gene No.	87399	Strand	+
Start	9564	End	11531
Name	OJ000222_07.0328.C5.o4.gs	Method	GENSCAN
Start	10954	End	11461
GI	none	Score	.41
Exons	10954..11264, 11368..11461		

Seq. No.	42079	Seq. ID	OJ000222_07.0328.C5
Gene No.	87400	Strand	-
Start	5373	End	9052
Name	OJ000222_07.0328.C5.o3.gs	Method	GENSCAN
Start	5373	End	9052
GI	none	Score	.82
Exons	5373..5454, 5628..5922, 6010..6147, 6656..6685, 7281..7374, 8658..8818, 8941..9052		

Seq. No.	42079	Seq. ID	OJ000222_07.0328.C5
Gene No.	87401	Strand	-
Start	13277	End	13356
Name	OJ000222_07.0328.C5.o1.tm	Method	TBLASTX:Maize
Start	2178	End	2670
GI	none	Score	94
Exons	2178..2315, 2392..2487, 2602..2670		

Seq. No.	42079	Seq. ID	OJ000222_07.0328.C5
Gene No.	87401	Strand	-
Start	13277	End	13356
Name	OJ000222_07.0328.C5.o5.gs	Method	GENSCAN
Start	13277	End	13356
GI	none	Score	.54
Exons	13277..13356		

Seq. No.	42080	Seq. ID	OJ000222_07.0328.C6
Gene No.	87402	Strand	+
Start	8973	End	11448
Name	OJ000222_07.0328.C6.o1.np	Method	AAT/NAP
Start	8973	End	11448
GI	1076311	Score	161
Exons	8973..9005, 10324..10452, 10556..10859, 10950..11050, 11139..11309, 11380..11448		
GI Descrip.	cyclin delta-1 - Arabidopsis thaliana		

Seq. No.	42080	Seq. ID	OJ000222_07.0328.C6
Gene No.	87402	Strand	+
Start	8973	End	11448
Name	OJ000222_07.0328.C6.o1.gp	Method	AAT/GAP
Start	10235	End	10803
GI	uC-osflm202100a09b1	Score	685
Exons	10235..10269, 10366..10452, 10553..10803		
GI Descrip.	'3915635/sp|P42751|CGD1_ARATH 4.0e-21 CYCLIN DELTA-1 >gi_2995130_emb_CAA58285_ (X83369) cyclin delta-1 [Arabidopsis thaliana]'		

Seq. No.	42080	Seq. ID	OJ000222_07.0328.C6
Gene No.	87403	Strand	-
Start	1618	End	1895
Name	OJ000222_07.0328.C6.o1.gs	Method	GENSCAN
Start	1618	End	1895
GI	none	Score	.69
Exons	1618..1720, 1726..1895		

Seq. No.	42080	Seq. ID	OJ000222_07.0328.C6
Gene No.	87404	Strand	-
Start	4631	End	5005

Name	OJ000222_07.0328.C6.o2.gs	Method	GENSCAN
Start	4631	End	5005
GI	none	Score	.56
Exons	4631..5005		

Seq. No.	42080	Seq. ID	OJ000222_07.0328.C6
Gene No.	87405	Strand	-
Start	14230	End	15212
Name	OJ000222_07.0328.C6.o4.gs	Method	GENSCAN
Start	14230	End	15212
GI	none	Score	.67
Exons	14230..14346, 15101..15212		

Seq. No.	42081	Seq. ID	OJ000222_07.0328.C7
Gene No.	87406	Strand	+
Start	4456	End	7069
Name	OJ000222_07.0328.C7.o2.gs	Method	GENSCAN
Start	4456	End	7069
GI	none	Score	.58
Exons	4456..4461, 5331..5379, 6612..6700, 6953..7069		

Seq. No.	42081	Seq. ID	OJ000222_07.0328.C7
Gene No.	87407	Strand	-
Start	564	End	3438
Name	OJ000222_07.0328.C7.o1.gs	Method	GENSCAN
Start	564	End	3438
GI	none	Score	.43
Exons	564..753, 2324..2348, 3137..3217, 3330..3438		

Seq. No.	42081	Seq. ID	OJ000222_07.0328.C7
Gene No.	87408	Strand	-
Start	9633	End	11322
Name	OJ000222_07.0328.C7.o3.gs	Method	GENSCAN
Start	9633	End	11276
GI	none	Score	.64
Exons	9633..9825, 11173..11276		

Seq. No.	42081	Seq. ID	OJ000222_07.0328.C7
Gene No.	87408	Strand	-
Start	9633	End	11322
Name	OJ000222_07.0328.C7.o2.np	Method	AAT/NAP
Start	11119	End	11322
GI	6907090	Score	45
Exons	11119..11322		
GI Descrip.	(AP001129) Similar to Oryza sativa root-specific RCc3 mRNA. (L27208)		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87409	Strand	+
Start	2829	End	2997
Name	OJ000222_07.0328.C8.o1.gs	Method	GENSCAN
Start	2829	End	2997
GI	none	Score	.81
Exons	2829..2894, 2935..2997		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87410	Strand	+

Start	7007	End	24455
Name	OJ000222_07.0328.C8.o3.gs	Method	GENSCAN
Start	7007	End	24043
GI	none	Score	.74
Exons	7007..7346, 7434..7531, 8795..9099, 9345..9471, 10175..10451, 11289..11411, 13377..13537, 14041..14125, 14979..15092, 15200..15309, 15409..15504, 15997..16027, 16493..16560, 17788..17874, 18120..18305, 19069..19128, 19203..19324, 19412..19499, 20195..20299, 20404..20508, 20878..21012, 21158..21270, 21358..21445, 21582..21801, 22650..22780, 23678..23824, 24008..24043		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87410	Strand	+
Start	7007	End	24455
Name	OJ000222_07.0328.C8.o3.np	Method	AAT/NAP
Start	12632	End	24455
GI	6721510	Score	2819
Exons	12632..12881, 13377..13537, 13832..13897, 14979..15092, 15199..15309, 15409..15504, 19168..19324, 19412..19499, 20195..20299, 20404..20508, 21035..21064, 21158..21270, 21358..21445, 21582..21801, 22650..22780, 23678..23824, 24397..24455		
GI Descrip.	(AP001072) EST AU082118(E20525) corresponds to a region of the predicted gene.; Similar to KIAA0745 protein. (AB018288) [Oryza sativa]		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87410	Strand	+
Start	7007	End	24455
Name	OJ000222_07.0328.C8.o1.gp	Method	AAT/GAP
Start	21695	End	24455
GI	uC-osf1M202035c11b1	Score	784
Exons	21695..21801, 22650..22780, 23678..23824, 24397..24455		
GI Descrip.	'3882211/dbj|BAA34465.1| 8.0e-28 (AB018288) KIAA0745 protein [Homo sapiens]'		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87411	Strand	-
Start	3184	End	7514
Name	OJ000222_07.0328.C8.o2.gs	Method	GENSCAN
Start	3184	End	6657
GI	none	Score	.41
Exons	3184..3359, 3707..3857, 5239..5375, 5442..5500, 5522..5594, 5737..5846, 5984..6014, 6492..6657		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87411	Strand	-
Start	3184	End	7514
Name	OJ000222_07.0328.C8.o1.np	Method	AAT/NAP
Start	5414	End	7514
GI	6581058	Score	187
Exons	5414..5462, 7355..7514		
GI Descrip.	(AF192467) Sgt1 [Oryza sativa]		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87412	Strand	-

Start	9724	End	12027
Name	OJ000222_07.0328.C8.o4.tm	Method	TBLASTX:Maize
Start	7356	End	7499
GI	none	Score	76
Exons	7356..7499, 7422..7499		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87412	Strand	-
Start	9724	End	12027
Name	OJ000222_07.0328.C8.o2.np	Method	AAT/NAP
Start	9724	End	12027
GI	7340909	Score	167
Exons	9724..9844, 10049..10213, 10323..10554, 12003..12027		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87413	Strand	
Start	12549	End	13503
Name	OJ000222_07.0328.C8.o2.tm	Method	TBLASTX:Maize
Start	12549	End	13503
GI	none	Score	298
Exons	12549..12878, 12562..12858, 12562..12882, 12572..12886, 13365..13496, 13366..13503, 13379..13501		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87413	Strand	
Start	12549	End	13503
Name	OJ000222_07.0328.C8.o1.ts	Method	TBLASTX:Soybean
Start	12650	End	13495
GI	none	Score	303
Exons	12650..12880, 12652..12885, 13382..13450, 13387..13446, 13462..13491, 13466..13495		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87414	Strand	
Start	17964	End	18305
Name	OJ000222_07.0328.C8.o1.tw	Method	TBLASTX:Wheat
Start	17964	End	18305
GI	none	Score	260
Exons	17964..18137, 17967..18119, 18234..18305, 18234..18305		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87415	Strand	
Start	19218	End	20302
Name	OJ000222_07.0328.C8.o3.tm	Method	TBLASTX:Maize
Start	19218	End	20302
GI	none	Score	143
Exons	19218..19319, 19221..19310, 19223..19333, 19410..19499, 19414..19500, 19415..19498, 19422..19511, 20191..20298, 20192..20302		

Seq. No.	42082	Seq. ID	OJ000222_07.0328.C8
Gene No.	87416	Strand	
Start	20719	End	24450
Name	OJ000222_07.0328.C8.o1.tm	Method	TBLASTX:Maize
Start	20719	End	24450
GI	none	Score	66

Exons	20719..20787, 20721..20795, 20721..20792, 20722..20793, 20880..21014, 20881..21015, 20890..21030, 21155..21274, 21158..21268, 21186..21275, 21220..21282, 21339..21446, 21347..21451, 21349..21462, 21350..21445, 21351..21446, 21568..21798, 21577..21807, 21579..21821, 21581..21820, 22625..22783, 22631..22780, 22648..22797, 22651..22785, 23660..23824, 23675..23818, 23676..23822, 23677..23823, 24394..24450		

Seq. No.	42083	Seq. ID	OJ000222_07.0328.C9
Gene No.	87417	Strand	+
Start	1	End	13246
Name	OJ000222_07.0328.C9.o1.np	Method	AAT/NAP
Start	1	End	788
GI	6721510	Score	220
Exons	1..33, 639..788		
GI Descrip.	(AP001072) EST AU082118(E20525) corresponds to a region of the predicted gene.; Similar to KIAA0745 protein. (AB018288) [Oryza sativa]		

Seq. No.	42083	Seq. ID	OJ000222_07.0328.C9
Gene No.	87417	Strand	+
Start	1	End	13246
Name	OJ000222_07.0328.C9.o2.np	Method	AAT/NAP
Start	1	End	13246
GI	6063557	Score	336
Exons	1..128, 3106..3300, 3549..3725, 9678..9742, 13218..13246		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	42083	Seq. ID	OJ000222_07.0328.C9
Gene No.	87417	Strand	+
Start	1	End	13246
Name	OJ000222_07.0328.C9.o1.gp	Method	AAT/GAP
Start	523	End	1091
GI	24354_1.R1084	Score	840
Exons	523..601, 639..1091		
GI Descrip.	'3882211/dbj|BAA34465.1| 9.0e-11 (AB018288) KIAA0745 protein [Homo sapiens]'		

Seq. No.	42083	Seq. ID	OJ000222_07.0328.C9
Gene No.	87417	Strand	+
Start	1	End	13246
Name	OJ000222_07.0328.C9.o1.tm	Method	TBLASTX:Maize
Start	626	End	1151
GI	none	Score	101
Exons	626..775, 638..778, 639..776, 639..779, 823..876, 833..871, 937..1056, 1110..1151		

Seq. No.	42083	Seq. ID	OJ000222_07.0328.C9
Gene No.	87417	Strand	+
Start	1	End	13246
Name	OJ000222_07.0328.C9.o1.ts	Method	TBLASTX:Soybean
Start	626	End	778
GI	none	Score	188
Exons	626..778, 639..776		

Seq. No.	42083	Seq. ID	OJ000222_07.0328.C9

Gene No.	87417	Strand	+
Start	1	End	13246
Name	OJ000222_07.0328.C9.o1.gs	Method	GENSCAN
Start	1200	End	3670
GI	none	Score	.5
Exons	1200..1250, 1311..1430, 3141..3300, 3522..3670		

Seq. No.	42083	Seq. ID	OJ000222_07.0328.C9
Gene No.	87417	Strand	+
Start	1	End	13246
Name	OJ000222_07.0328.C9.o3.np	Method	AAT/NAP
Start	9415	End	13246
GI	5042431	Score	386
Exons	9415..9757, 9812..10562, 13215..13246		
GI Descrip.	(AC006193) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	42084	Seq. ID	OJ000222_07.0328.C10
Gene No.	87418	Strand	+
Start	178	End	3435
Name	OJ000222_07.0328.C10.o1.np	Method	AAT/NAP
Start	178	End	3435
GI	5042431	Score	1177
Exons	178..654, 785..1726, 2091..2238, 2306..2396, 2451..3435		
GI Descrip.	(AC006193) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	42084	Seq. ID	OJ000222_07.0328.C10
Gene No.	87418	Strand	+
Start	178	End	3435
Name	OJ000222_07.0328.C10.o1.gs	Method	GENSCAN
Start	236	End	3274
GI	none	Score	.83
Exons	236..654, 785..1801, 2091..2238, 2465..3274		

Seq. No.	42084	Seq. ID	OJ000222_07.0328.C10
Gene No.	87418	Strand	+
Start	178	End	3435
Name	OJ000222_07.0328.C10.o1.tm	Method	TBLASTX:Maize
Start	2712	End	2976
GI	none	Score	248
Exons	2712..2924, 2713..2925, 2929..2976		

Seq. No.	42084	Seq. ID	OJ000222_07.0328.C10
Gene No.	87418	Strand	+
Start	178	End	3435
Name	OJ000222_07.0328.C10.o2.tm	Method	TBLASTX:Maize
Start	3160	End	3357
GI	none	Score	205
Exons	3160..3357, 3160..3351		

Seq. No.	42085	Seq. ID	OJ000222_07.0328.C11
Gene No.	87419	Strand	+
Start	49	End	1351
Name	OJ000222_07.0328.C11.o1.gs	Method	GENSCAN
Start	49	End	1351
GI	none	Score	.89
Exons	49..114, 826..996, 1259..1351		

Seq. No.	42085	Seq. ID	OJ000222_07.0328.C11
Gene No.	87420	Strand	-
Start	1	End	1029
Name	OJ000222_07.0328.C11.o1.np	Method	AAT/NAP
Start	1	End	1029
GI	5922623	Score	206
Exons	1..78, 266..429, 955..1029		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42085	Seq. ID	OJ000222_07.0328.C11
Gene No.	87421	Strand	-
Start	1020	End	1866
Name	OJ000222_07.0328.C11.o2.np	Method	AAT/NAP
Start	1020	End	1866
GI	6630696	Score	370
Exons	1020..1286, 1818..1866		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	42085	Seq. ID	OJ000222_07.0328.C11
Gene No.	87421	Strand	-
Start	1020	End	1866
Name	OJ000222_07.0328.C11.o1.tw	Method	TBLASTX:Wheat
Start	1041	End	1289
GI	none	Score	165
Exons	1041..1289, 1045..1230		

Seq. No.	42086	Seq. ID	OJ000222_01.0327.C1
Gene No.	87422	Strand	-
Start	362	End	1725
Name	OJ000222_01.0327.C1.o1.gs	Method	GENSCAN
Start	362	End	1725
GI	none	Score	.74
Exons	362..392, 1532..1725		

Seq. No.	42087	Seq. ID	OJ000222_01.0327.C2
Gene No.	87423	Strand	+
Start	6	End	2402
Name	OJ000222_01.0327.C2.o1.gs	Method	GENSCAN
Start	6	End	2402
GI	none	Score	.7
Exons	6..70, 252..341, 2360..2402		

Seq. No.	42087	Seq. ID	OJ000222_01.0327.C2
Gene No.	87424	Strand	+
Start	3052	End	5700
Name	OJ000222_01.0327.C2.o2.gs	Method	GENSCAN
Start	3052	End	4037
GI	none	Score	.82
Exons	3052..3195, 3275..3465, 3558..3632, 3638..4037		

Seq. No.	42087	Seq. ID	OJ000222_01.0327.C2
Gene No.	87424	Strand	+
Start	3052	End	5700

Name	OJ000222_01.0327.C2.o1.np	Method	AAT/NAP
Start	3109	End	5700
GI	7340881	Score	493
Exons	3109..3195, 3342..3465, 3558..3647, 3718..3991, 5377..5510, 5616..5700		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42087	Seq. ID	OJ000222_01.0327.C2
Gene No.	87425	Strand	-
Start	5801	End	6961
Name	OJ000222_01.0327.C2.o3.gs	Method	GENSCAN
Start	5801	End	6961
GI	none	Score	.62
Exons	5801..6020, 6810..6961		

Seq. No.	42088	Seq. ID	OJ000222_01.0327.C3
Gene No.	87426	Strand	+
Start	1	End	2692
Name	OJ000222_01.0327.C3.o1.np	Method	AAT/NAP
Start	1	End	2692
GI	7339718	Score	30
Exons	1..37, 698..858, 2619..2692		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42088	Seq. ID	OJ000222_01.0327.C3
Gene No.	87426	Strand	+
Start	1	End	2692
Name	OJ000222_01.0327.C3.o1.gs	Method	GENSCAN
Start	314	End	1318
GI	none	Score	.68
Exons	314..362, 690..1318		

Seq. No.	42089	Seq. ID	OJ000222_01.0327.C4
Gene No.	87427	Strand	+
Start	1159	End	1566
Name	OJ000222_01.0327.C4.o1.gs	Method	GENSCAN
Start	1159	End	1566
GI	none	Score	.58
Exons	1159..1246, 1562..1566		

Seq. No.	42089	Seq. ID	OJ000222_01.0327.C4
Gene No.	87428	Strand	+
Start	1840	End	2334
Name	OJ000222_01.0327.C4.o1.gp	Method	AAT/GAP
Start	1742	End	2198
GI	2275884	Score	852
Exons	1742..2198		

Seq. No.	42089	Seq. ID	OJ000222_01.0327.C4
Gene No.	87428	Strand	+
Start	1840	End	2334
Name	OJ000222_01.0327.C4.o2.gs	Method	GENSCAN
Start	1840	End	2334
GI	none	Score	.72
Exons	1840..2334		

Seq. No.	42089	Seq. ID	OJ000222_01.0327.C4

Gene No.	87429	Strand	-
Start	3697	End	5876
Name	OJ000222_01.0327.C4.o3.gs	Method	GENSCAN
Start	3697	End	5524
GI	none	Score	.68
Exons	3697..3795, 4393..4455, 4538..4610, 4615..4707, 5337..5524		

Seq. No.	42089	Seq. ID	OJ000222_01.0327.C4
Gene No.	87429	Strand	-
Start	3697	End	5876
Name	OJ000222_01.0327.C4.o1.np	Method	AAT/NAP
Start	4913	End	5876
GI	7242910	Score	83
Exons	4913..4995, 5064..5190, 5842..5876		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	42090	Seq. ID	OJ000222_01.0327.C5
Gene No.	87430	Strand	+
Start	1574	End	4629
Name	OJ000222_01.0327.C5.o1.gp	Method	AAT/GAP
Start	1547	End	4101
GI	none	Score	1475
Exons	1547..1672, 1774..1844, 2887..2990, 3521..3572, 3656..4101		

Seq. No.	42090	Seq. ID	OJ000222_01.0327.C5
Gene No.	87430	Strand	+
Start	1574	End	4629
Name	OJ000222_01.0327.C5.o1.gs	Method	GENSCAN
Start	1574	End	4629
GI	none	Score	.79
Exons	1574..1672, 1774..1844, 2887..2990, 3521..3572, 3656..3799, 4209..4386, 4618..4629		

Seq. No.	42090	Seq. ID	OJ000222_01.0327.C5
Gene No.	87431	Strand	-
Start	5770	End	6339
Name	OJ000222_01.0327.C5.o1.np	Method	AAT/NAP
Start	5528	End	6237
GI	6524174	Score	134
Exons	5528..5606, 5903..6237		
GI Descrip.	(AC011914) putative bZIP transcription factor [Arabidopsis thaliana]		

Seq. No.	42090	Seq. ID	OJ000222_01.0327.C5
Gene No.	87431	Strand	-
Start	5770	End	6339
Name	OJ000222_01.0327.C5.o2.gs	Method	GENSCAN
Start	5770	End	6339
GI	none	Score	1
Exons	5770..6339		

Seq. No.	42090	Seq. ID	OJ000222_01.0327.C5
Gene No.	87432	Strand	-
Start	7915	End	9815
Name	OJ000222_01.0327.C5.o3.gs	Method	GENSCAN
Start	7915	End	9815
GI	none	Score	.68

Exons	7915..8123, 9530..9691, 9704..9815		
Seq. No.	42091	Seq. ID	OJ000222_01.0327.C6
Gene No.	87433	Strand	+
Start	50	End	198
Name	OJ000222_01.0327.C6.o1.gs	Method	GENSCAN
Start	50	End	198
GI	none	Score	.77
Exons	50..198		
Seq. No.	42091	Seq. ID	OJ000222_01.0327.C6
Gene No.	87434	Strand	-
Start	901	End	1517
Name	OJ000222_01.0327.C6.o2.gs	Method	GENSCAN
Start	901	End	1517
GI	none	Score	.58
Exons	901..963, 1461..1517		
Seq. No.	42092	Seq. ID	OJ000222_01.0327.C8
Gene No.	87435	Strand	+
Start	561	End	1850
Name	OJ000222_01.0327.C8.o1.gs	Method	GENSCAN
Start	561	End	1850
GI	none	Score	.69
Exons	561..717, 1447..1591, 1706..1850		
Seq. No.	42092	Seq. ID	OJ000222_01.0327.C8
Gene No.	87436	Strand	-
Start	2324	End	2479
Name	OJ000222_01.0327.C8.o2.gs	Method	GENSCAN
Start	2324	End	2479
GI	none	Score	.76
Exons	2324..2479		
Seq. No.	42093	Seq. ID	OJ000222_01.0327.C13
Gene No.	87437	Strand	-
Start	17	End	10460
Name	OJ000222_01.0327.C13.o1.gs	Method	GENSCAN
Start	17	End	9304
GI	none	Score	.64
Exons	17..152, 316..521, 2595..2663, 2773..2795, 3332..3380, 3719..3847, 4591..4687, 4735..4910, 5601..5893, 6203..6458, 6550..6663, 6688..6811, 6916..7214, 7295..7413, 7909..8513, 8565..9304		
Seq. No.	42093	Seq. ID	OJ000222_01.0327.C13
Gene No.	87437	Strand	-
Start	17	End	10460
Name	OJ000222_01.0327.C13.o1.np	Method	AAT/NAP
Start	4577	End	10460
GI	7228438	Score	2832
Exons	4577..4976, 6273..6441, 6533..6811, 6916..7214, 7295..7556, 7807..8020, 8472..10460		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	42093	Seq. ID	OJ000222_01.0327.C13
Gene No.	87437	Strand	-
Start	17	End	10460
Name	OJ000222_01.0327.C13.o1.gp	Method	AAT/GAP
Start	5877	End	6319
GI	LIB3433-020-P1-K1-A6	Score	608
Exons	5877..6319		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	42093	Seq. ID	OJ000222_01.0327.C13
Gene No.	87437	Strand	-
Start	17	End	10460
Name	OJ000222_01.0327.C13.o2.gs	Method	GENSCAN
Start	9843	End	10278
GI	none	Score	.47
Exons	9843..10211, 10276..10278		

Seq. No.	42093	Seq. ID	OJ000222_01.0327.C13
Gene No.	87438	Strand	-
Start	11483	End	11766
Name	OJ000222_01.0327.C13.o1.tw	Method	TBLASTX:Wheat
Start	8864	End	9217
GI	none	Score	53
Exons	8864..8896, 8897..9013, 8902..8985, 8946..9014, 9038..9214, 9063..9215, 9068..9217		

Seq. No.	42093	Seq. ID	OJ000222_01.0327.C13
Gene No.	87438	Strand	-
Start	11483	End	11766
Name	OJ000222_01.0327.C13.o1.tm	Method	TBLASTX:Maize
Start	8915	End	9513
GI	none	Score	179
Exons	8915..8995, 9033..9332, 9044..9331, 9334..9513, 9395..9508		

Seq. No.	42093	Seq. ID	OJ000222_01.0327.C13
Gene No.	87438	Strand	-
Start	11483	End	11766
Name	OJ000222_01.0327.C13.o3.gs	Method	GENSCAN
Start	11483	End	11766
GI	none	Score	.94
Exons	11483..11560, 11674..11766		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87439	Strand	+
Start	1588	End	2157
Name	OJ000222_01.0327.C14.o1.gp	Method	AAT/GAP
Start	1588	End	2157
GI	702271	Score	760
Exons	1588..1915, 2068..2157		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87440	Strand	+
Start	4690	End	13319
Name	OJ000222_01.0327.C14.o4.gs	Method	GENSCAN
Start	4690	End	13319
GI	none	Score	.47

Exons	4690..4696, 4856..4944, 6878..7226, 7255..7509, 9471..9587, 9692..9716, 9895..10028, 11733..12085, 12188..12421, 12575..12640, 12749..12817, 12914..12991, 13134..13319		
Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87441	Strand	+
Start	26673	End	30185
Name	OJ000222_01.0327.C14.o4.np	Method	AAT/NAP
Start	26673	End	30185
GI	6682611	Score	93
Exons	26673..26710, 28404..28528, 28625..28810, 30089..30185		
GI Descrip.	(AC016163) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		
Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87441	Strand	+
Start	26673	End	30185
Name	OJ000222_01.0327.C14.o3.np	Method	AAT/NAP
Start	27370	End	29254
GI	1084461	Score	154
Exons	27370..27485, 28170..28369, 29167..29254		
GI Descrip.	RCc3 protein - rice gi|786132 (L27208) RCc3 [Oryza sativa]		
Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87442	Strand	+
Start	32169	End	32251
Name	OJ000222_01.0327.C14.o7.gp	Method	AAT/GAP
Start	32169	End	32251
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	32169..32251		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87443	Strand	+
Start	32829	End	34541
Name	OJ000222_01.0327.C14.o8.gp	Method	AAT/GAP
Start	32829	End	33269
GI	none	Score	878
Exons	32829..33269		
Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87443	Strand	+
Start	32829	End	34541
Name	OJ000222_01.0327.C14.o6.gs	Method	GENSCAN
Start	33075	End	34541
GI	none	Score	.85
Exons	33075..34541		
Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87443	Strand	+
Start	32829	End	34541
Name	OJ000222_01.0327.C14.o6.np	Method	AAT/NAP
Start	33096	End	34445
GI	4836933	Score	735
Exons	33096..34445		

GI Descrip. (AC006085) Highly similar to UDPG glucosyltransferase [Arabidopsis thaliana]

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87444	Strand	+
Start	36481	End	55110
Name	OJ000222_01.0327.C14.o9.np	Method	AAT/NAP
Start	36248	End	55110
GI	7452052	Score	333
Exons	36248..36276, 50972..51449, 54660..54810, 54951..55110		
GI Descrip.	hypothetical protein T24C20.80 - Arabidopsis thaliana gi|5541726|emb|CAB51067.1| (AL096856) putative protein [Arabidopsis thaliana]		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87444	Strand	+
Start	36481	End	55110
Name	OJ000222_01.0327.C14.o7.gs	Method	GENSCAN
Start	36481	End	37668
GI	none	Score	.47
Exons	36481..36599, 37298..37352, 37609..37668		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87444	Strand	+
Start	36481	End	55110
Name	OJ000222_01.0327.C14.o10.gp	Method	AAT/GAP
Start	39248	End	39327
GI	uC-osroM202024h02a1	Score	139
Exons	39248..39327		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87444	Strand	+
Start	36481	End	55110
Name	OJ000222_01.0327.C14.o9.gs	Method	GENSCAN
Start	46656	End	47393
GI	none	Score	.91
Exons	46656..46919, 47094..47393		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87444	Strand	+
Start	36481	End	55110
Name	OJ000222_01.0327.C14.o12.gp	Method	AAT/GAP
Start	52174	End	52861
GI	4879016	Score	903
Exons	52174..52282, 52403..52861		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87444	Strand	+
Start	36481	End	55110
Name	OJ000222_01.0327.C14.o12.gs	Method	GENSCAN
Start	53484	End	54930

GI	none	Score	.75
Exons	53484..53535, 53634..53762, 54643..54865, 54915..54930		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87445	Strand	-
Start	3240	End	4089
Name	OJ000222_01.0327.C14.o3.gs	Method	GENSCAN
Start	3240	End	4055
GI	none	Score	.97
Exons	3240..4055		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87445	Strand	-
Start	3240	End	4089
Name	OJ000222_01.0327.C14.o2.gp	Method	AAT/GAP
Start	3910	End	4089
GI	1632562	Score	360
Exons	3910..4089		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87446	Strand	-
Start	14633	End	31280
Name	OJ000222_01.0327.C14.o5.gs	Method	GENSCAN
Start	14633	End	31280
GI	none	Score	.54
Exons	14633..14671, 14955..15125, 15210..15299, 15387..15492, 15565..15736, 15825..15927, 16015..16269, 16347..16424, 16537..16629, 16748..16888, 16970..17074, 17223..17300, 17385..17429, 17551..17667, 17773..17916, 18227..18320, 18410..18535, 18673..18746, 19432..19519, 20212..20699, 20790..20837, 20929..21165, 21456..21492, 23996..24342, 24355..24410, 25913..25994, 27047..27243, 27344..27536, 27581..27840, 27903..28063, 28114..28342, 28476..28774, 29038..29250, 29430..29470, 30655..30677, 31055..31280		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87446	Strand	-
Start	14633	End	31280
Name	OJ000222_01.0327.C14.o4.gp	Method	AAT/GAP
Start	14712	End	15001
GI	2800134	Score	576
Exons	14712..15001		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87446	Strand	-
Start	14633	End	31280
Name	OJ000222_01.0327.C14.o1.np	Method	AAT/NAP
Start	14925	End	19206
GI	1076758	Score	2845
Exons	14925..15125, 15210..15299, 15387..15492, 15565..15736, 15825..15927, 16015..16269, 16347..16424, 16537..16629, 16748..16888, 16970..17074, 17223..17299, 17381..17422, 17547..17667, 17773..17916, 18022..18105, 18227..18320, 18410..18535, 18673..18746, 18958..19206		
GI Descrip.	heat-shock protein, 82K, precursor - rye gi|2130093|pir||S65776 heat-shock protein, 82K, precursor - rye gi|556673|emb|CAA82945.1| (Z30243) heat-shock protein [Secale		

cereale]

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87446	Strand	-
Start	14633	End	31280
Name	OJ000222_01.0327.C14.o5.gp	Method	AAT/GAP
Start	15811	End	16246
GI	LIB3432-025-P1-K1-A1	Score	639
Exons	15811..15927, 16015..16246		
GI Descrip.	'1076758/pir||S49340 1.0e-56 heat-shock protein precursor - rye >gi_2130093_pir__S65776 heat-shock protein, 82K, precursor - rye >gi_556673_emb_CAA82945_ (Z30243) heat-shock protein [Secale cereale]'		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87446	Strand	-
Start	14633	End	31280
Name	OJ000222_01.0327.C14.o6.gp	Method	AAT/GAP
Start	17271	End	18279
GI	LIB3479-003-Q6-K2-H7	Score	792
Exons	17271..17300, 17385..17429, 17551..17667, 17773..17916, 18022..18105, 18227..18279		
GI Descrip.	'1076758/pir||S49340 2.0e-61 heat-shock protein precursor - rye >gi_2130093_pir__S65776 heat-shock protein, 82K, precursor - rye >gi_556673_emb_CAA82945_ (Z30243) heat-shock protein [Secale cereale]'		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87446	Strand	-
Start	14633	End	31280
Name	OJ000222_01.0327.C14.o2.np	Method	AAT/NAP
Start	20183	End	24339
GI	7485972	Score	888
Exons	20183..20423, 20471..20699, 20790..20837, 20929..21165, 21456..21492, 23996..24213, 24256..24339		
GI Descrip.	hypothetical protein F22K18.40 - Arabidopsis thaliana gi|4220514|emb|CAA22987.1| (AL035356) putative protein [Arabidopsis thaliana] gi|7269327|emb|CAB79386.1| (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87446	Strand	-
Start	14633	End	31280
Name	OJ000222_01.0327.C14.o5.np	Method	AAT/NAP
Start	29083	End	29180
GI	5777617	Score	74
Exons	29083..29180		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87447	Strand	-
Start	34024	End	34500
Name	OJ000222_01.0327.C14.o9.gp	Method	AAT/GAP
Start	34024	End	34500
GI	uC-osrocyp033c09b1	Score	875
Exons	34024..34500		
GI Descrip.	'4836933/gb|AAD30635.1|AC006085_8 1.0e-17 (AC006085) Highly		

similar to UDPG glucosyltransferase [Arabidopsis thaliana]'

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o3.tm	Method	TBLASTX:Maize
Start	3265	End	3536
GI	none	Score	161
Exons	3265..3354, 3267..3536, 3274..3411, 3339..3440		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o7.tc	Method	TBLASTX:Cress
Start	3271	End	3419
GI	none	Score	83
Exons	3271..3399, 3273..3419		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o6.ts	Method	TBLASTX:Soybean
Start	3273	End	3518
GI	none	Score	86
Exons	3273..3419, 3274..3402, 3471..3518		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o4.tw	Method	TBLASTX:Wheat
Start	3807	End	4117
GI	none	Score	128
Exons	3807..3899, 3811..3900, 3933..3995, 3937..3987, 3978..4019, 3985..4032, 4003..4062, 4024..4116, 4070..4117		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o5.tw	Method	TBLASTX:Wheat
Start	12343	End	12979
GI	none	Score	91
Exons	12343..12423, 12362..12424, 12572..12643, 12581..12640, 12748..12816, 12749..12826, 12908..12979, 12913..12966		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o6.tc	Method	TBLASTX:Cress
Start	12343	End	12976
GI	none	Score	94
Exons	12343..12447, 12362..12424, 12572..12646, 12610..12645, 12748..12816, 12749..12826, 12908..12976, 12913..12966		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o5.ts	Method	TBLASTX:Soybean

Start	12362	End	12979
GI	none	Score	89
Exons	12362..12424, 12572..12646, 12581..12634, 12748..12816, 12749..12826, 12908..12979, 12911..12964		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o7.tm	Method	TBLASTX:Maize
Start	12572	End	13304
GI	none	Score	116
Exons	12572..12646, 12575..12640, 12710..12817, 12747..12815, 12749..12826, 12908..12979, 12913..12972, 13113..13145, 13115..13141, 13172..13270, 13173..13304		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o1.tm	Method	TBLASTX:Maize
Start	14796	End	17921
GI	none	Score	118
Exons	14796..14828, 14922..14975, 14973..15125, 14977..15126, 15040..15126, 15196..15297, 15203..15298, 15210..15311, 15210..15299, 15211..15318, 15381..15491, 15387..15494, 15388..15498, 15388..15495, 15564..15695, 15564..15734, 15565..15699, 15566..15712, 15699..15737, 15719..15736, 15817..15915, 15820..15930, 15821..15928, 15822..15932, 16012..16272, 16013..16270, 16014..16289, 16018..16272, 16345..16422, 16347..16421, 16347..16424, 16387..16425, 16532..16630, 16534..16629, 16538..16633, 16748..16900, 16749..16889, 16756..16890, 16968..17075, 16970..17080, 16971..17075, 17218..17295, 17220..17297, 17548..17691, 17549..17665, 17771..17917, 17773..17919, 17781..17921		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o2.tc	Method	TBLASTX:Cress
Start	14922	End	15855
GI	none	Score	92
Exons	14922..14978, 15051..15125, 15052..15126, 15210..15299, 15211..15318, 15381..15488, 15387..15494, 15388..15498, 15564..15692, 15564..15734, 15565..15696, 15817..15855		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o1.ts	Method	TBLASTX:Soybean
Start	14931	End	16771
GI	none	Score	52
Exons	14931..14975, 15047..15124, 15049..15126, 15051..15146, 15203..15298, 15210..15299, 15217..15318, 15387..15494, 15390..15488, 15391..15498, 15564..15734, 15565..15699, 15569..15715, 15817..15930, 15817..15915, 15822..15932, 15827..15928, 16011..16127, 16012..16272, 16013..16270, 16018..16272, 16347..16424, 16347..16424, 16387..16425, 16532..16630, 16534..16629, 16748..16771		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o7.tw	Method	TBLASTX:Wheat
Start	15381	End	16227
GI	none	Score	91
Exons	15381..15494, 15564..15734, 15565..15687, 16012..16227, 16013..16225		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o1.tc	Method	TBLASTX:Cress
Start	16024	End	16867
GI	none	Score	218
Exons	16024..16272, 16025..16270, 16045..16272, 16347..16424, 16347..16424, 16390..16425, 16532..16627, 16534..16629, 16748..16867, 16749..16859		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o2.tw	Method	TBLASTX:Wheat
Start	16228	End	16781
GI	none	Score	57
Exons	16228..16272, 16232..16270, 16239..16271, 16345..16422, 16347..16418, 16347..16424, 16390..16425, 16532..16630, 16534..16629, 16541..16633, 16748..16780, 16749..16781		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o3.ts	Method	TBLASTX:Soybean
Start	16772	End	17921
GI	none	Score	122
Exons	16772..16909, 16773..16889, 16953..17075, 16969..17064, 16970..17080, 17002..17076, 17220..17297, 17224..17292, 17548..17664, 17548..17691, 17549..17665, 17771..17917, 17773..17919, 17775..17921		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o4.tc	Method	TBLASTX:Cress
Start	17806	End	18793
GI	none	Score	130
Exons	17806..17919, 17810..17917, 17818..17919, 18019..18111, 18020..18109, 18194..18316, 18222..18317, 18225..18323, 18227..18322, 18409..18543, 18410..18496, 18413..18556, 18421..18537, 18673..18747, 18673..18732, 18675..18746, 18677..18793		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o1.tw	Method	TBLASTX:Wheat

Start	18025	End	18749
GI	none	Score	114
Exons	18025..18111, 18026..18109, 18218..18316, 18225..18323, 18225..18314, 18227..18322, 18406..18537, 18409..18543, 18410..18547, 18429..18548, 18673..18747, 18675..18749, 18675..18746		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o4.tm	Method	TBLASTX:Maize
Start	18225	End	18747
GI	none	Score	141
Exons	18225..18323, 18225..18317, 18227..18322, 18409..18543, 18410..18502, 18435..18536, 18436..18537, 18673..18747, 18675..18746		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o3.tc	Method	TBLASTX:Cress
Start	20208	End	24346
GI	none	Score	113
Exons	20208..20306, 20250..20378, 20280..20423, 20511..20666, 20530..20667, 20634..20711, 20647..20703, 20790..20840, 20929..21162, 20936..21163, 21456..21506, 23990..24196, 23995..24195, 24296..24346, 24305..24343		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o2.tm	Method	TBLASTX:Maize
Start	20508	End	21162
GI	none	Score	153
Exons	20508..20711, 20536..20712, 20790..20840, 20929..21162, 20930..21160		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o2.ts	Method	TBLASTX:Soybean
Start	20520	End	24066
GI	none	Score	76
Exons	20520..20711, 20533..20712, 20790..20840, 20929..21162, 20936..21163, 21456..21506, 23995..24066		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o6.tw	Method	TBLASTX:Wheat
Start	22398	End	22617
GI	none	Score	203
Exons	22398..22610, 22399..22617		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744

Name	OJ000222_01.0327.C14.o9.tm	Method	TBLASTX:Maize
Start	22399	End	22727
GI	none	Score	156
Exons	22399..22548, 22408..22554, 22555..22614, 22611..22727, 22613..22726		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o10.tm	Method	TBLASTX:Maize
Start	24026	End	24202
GI	none	Score	160
Exons	24026..24202, 24028..24201		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o5.tm	Method	TBLASTX:Maize
Start	28418	End	28759
GI	none	Score	117
Exons	28418..28489, 28419..28490, 28484..28522, 28490..28528, 28619..28759, 28627..28758		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o4.ts	Method	TBLASTX:Soybean
Start	33777	End	49103
GI	none	Score	36
Exons	33777..33833, 33915..34007, 33956..34099, 34112..34228, 34113..34310, 48657..48866, 48667..48852, 48891..49076, 49077..49103		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o5.tc	Method	TBLASTX:Cress
Start	34104	End	48875
GI	none	Score	229
Exons	34104..34310, 34106..34297, 48660..48875, 48661..48837		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o6.tm	Method	TBLASTX:Maize
Start	34104	End	48878
GI	none	Score	216
Exons	34104..34310, 34106..34285, 34146..34289, 48660..48878, 48661..48852, 48666..48863		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o3.tw	Method	TBLASTX:Wheat
Start	34107	End	48905
GI	none	Score	199
Exons	34107..34310, 34140..34310, 34186..34311, 48657..48905,		

48667..48837, 48669..48905

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o8.np	Method	AAT/NAP
Start	47406	End	49744
GI	728868	Score	125
Exons	47406..47453, 49254..49330, 49452..49744		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica napus]		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o11.gp	Method	AAT/GAP
Start	47680	End	48076
GI	2275893	Score	734
Exons	47680..48076		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87448	Strand	-
Start	47406	End	49744
Name	OJ000222_01.0327.C14.o7.np	Method	AAT/NAP
Start	48525	End	49716
GI	4836933	Score	531
Exons	48525..49716		
GI Descrip.	(AC006085) Highly similar to UDPG glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	42094	Seq. ID	OJ000222_01.0327.C14
Gene No.	87449	Strand	
Start	50988	End	51369
Name	OJ000222_01.0327.C14.o8.tm	Method	TBLASTX:Maize
Start	50988	End	51369
GI	none	Score	138
Exons	50988..51107, 50988..51098, 50993..51106, 51103..51213, 51103..51165, 51136..51210, 51274..51369, 51274..51360		

Seq. No.	42095	Seq. ID	OJ000222_01.0327.C15
Gene No.	87450	Strand	-
Start	2045	End	3436
Name	OJ000222_01.0327.C15.o1.np	Method	AAT/NAP
Start	788	End	3424
GI	7109483	Score	757
Exons	788..806, 2037..3424		
GI Descrip.	(AC016662) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	42095	Seq. ID	OJ000222_01.0327.C15
Gene No.	87450	Strand	-
Start	2045	End	3436
Name	OJ000222_01.0327.C15.o1.gs	Method	GENSCAN
Start	2045	End	3436
GI	none	Score	.98
Exons	2045..3436		

Seq. No.	42095	Seq. ID	OJ000222_01.0327.C15
Gene No.	87450	Strand	-
Start	2045	End	3436
Name	OJ000222_01.0327.C15.o1.tw	Method	TBLASTX:Wheat
Start	2282	End	2530
GI	none	Score	147
Exons	2282..2530, 2307..2462		

Seq. No.	42095	Seq. ID	OJ000222_01.0327.C15
Gene No.	87450	Strand	-
Start	2045	End	3436
Name	OJ000222_01.0327.C15.o2.ts	Method	TBLASTX:Soybean
Start	2282	End	2491
GI	none	Score	175
Exons	2282..2491, 2310..2462		

Seq. No.	42095	Seq. ID	OJ000222_01.0327.C15
Gene No.	87450	Strand	-
Start	2045	End	3436
Name	OJ000222_01.0327.C15.o1.tc	Method	TBLASTX:Cress
Start	2285	End	2500
GI	none	Score	124
Exons	2285..2500, 2313..2462		

Seq. No.	42095	Seq. ID	OJ000222_01.0327.C15
Gene No.	87450	Strand	-
Start	2045	End	3436
Name	OJ000222_01.0327.C15.o1.tm	Method	TBLASTX:Maize
Start	2285	End	2503
GI	none	Score	173
Exons	2285..2503, 2316..2465		

Seq. No.	42095	Seq. ID	OJ000222_01.0327.C15
Gene No.	87450	Strand	-
Start	2045	End	3436
Name	OJ000222_01.0327.C15.o1.ts	Method	TBLASTX:Soybean
Start	2597	End	3355
GI	none	Score	64
Exons	2597..2689, 2705..2959, 2963..3238, 3027..3101, 3308..3355		

Seq. No.	42096	Seq. ID	OJ000222_01.0327.C16
Gene No.	87451	Strand	+
Start	152	End	1227
Name	OJ000222_01.0327.C16.o1.gs	Method	GENSCAN
Start	152	End	1227
GI	none	Score	.52
Exons	152..219, 640..784, 1192..1227		

Seq. No.	42096	Seq. ID	OJ000222_01.0327.C16
Gene No.	87452	Strand	-
Start	1	End	1752
Name	OJ000222_01.0327.C16.o1.np	Method	AAT/NAP
Start	1	End	1752
GI	6721516	Score	576
Exons	1..320, 730..971, 1500..1752		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87453	Strand	+
Start	8373	End	11331
Name	OJ000222_02.0327.C2.o2.gs	Method	GENSCAN
Start	8373	End	11052
GI	none	Score	.48
Exons	8373..8491, 8999..9267, 10043..11052		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87453	Strand	+
Start	8373	End	11331
Name	OJ000222_02.0327.C2.o3.np	Method	AAT/NAP
Start	9924	End	11331
GI	4582783	Score	400
Exons	9924..9945, 10043..11061, 11293..11331		
GI Descrip.	(AJ006752) starch synthase, isoform V [Vigna unguiculata]		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87454	Strand	-
Start	335	End	6983
Name	OJ000222_02.0327.C2.o1.gs	Method	GENSCAN
Start	335	End	6934
GI	none	Score	.42
Exons	335..1280, 2102..2239, 2786..2933, 5377..5470, 6079..6200, 6242..6934		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87454	Strand	-
Start	335	End	6983
Name	OJ000222_02.0327.C2.o1.gp	Method	AAT/GAP
Start	5735	End	6417
GI	89150_1.R1084	Score	1179
Exons	5735..6417		
GI Descrip.	'1361979/pir||A57478 2.0e-52 serine O-acetyltransferase (EC 2.3.1.30) - watermelon >gi_1350550_dbj_BAA12843_ (D85624) serine acetyltransferase [Citrullus lanatus] >gi_1841312_dbj_BAA08479_ (D49535) serine acetyltransferase. [Citrullus lanatus] >gi_2337772_dbj_BAA21827_ (AB006530) serine acetyltransferase [Citrullus lanatus]'		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87454	Strand	-
Start	335	End	6983
Name	OJ000222_02.0327.C2.o1.tc	Method	TBLASTX:Cress
Start	6020	End	6835
GI	none	Score	62
Exons	6020..6091, 6095..6835, 6114..6170, 6237..6422, 6492..6566		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87454	Strand	-
Start	335	End	6983
Name	OJ000222_02.0327.C2.o1.tm	Method	TBLASTX:Maize
Start	6022	End	6512
GI	none	Score	66
Exons	6022..6087, 6022..6099, 6023..6103, 6068..6511, 6114..6170, 6240..6512		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87454	Strand	-
Start	335	End	6983
Name	OJ000222_02.0327.C2.o2.np	Method	AAT/NAP
Start	6026	End	6880
GI	7384806	Score	1128
Exons	6026..6880		
GI Descrip.	(AB040502) serine acetyltransferase [Allium tuberosum]		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87454	Strand	-
Start	335	End	6983
Name	OJ000222_02.0327.C2.o1.ts	Method	TBLASTX:Soybean
Start	6062	End	6814
GI	none	Score	38
Exons	6062..6091, 6098..6346, 6114..6170, 6240..6323, 6291..6419, 6323..6568, 6510..6569, 6626..6814		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87454	Strand	-
Start	335	End	6983
Name	OJ000222_02.0327.C2.o2.gp	Method	AAT/GAP
Start	6509	End	6983
GI	53087_1.R1084	Score	902
Exons	6509..6983		
GI Descrip.	'1361979/pir||A57478 3.0e-16 serine O-acetyltransferase (EC 2.3.1.30) - watermelon >gi_1350550_dbj_BAA12843_ (D85624) serine acetyltransferase [Citrullus lanatus] >gi_1841312_dbj_BAA08479_ (D49535) serine acetyltransferase. [Citrullus lanatus] >gi_2337772_dbj_BAA21827_ (AB006530) serine acetyltransferase [Citrullus lanatus]'		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87454	Strand	-
Start	335	End	6983
Name	OJ000222_02.0327.C2.o3.tm	Method	TBLASTX:Maize
Start	6678	End	6889
GI	none	Score	86
Exons	6678..6740, 6683..6889		

Seq. No.	42097	Seq. ID	OJ000222_02.0327.C2
Gene No.	87455	Strand	
Start	10609	End	11045
Name	OJ000222_02.0327.C2.o2.tm	Method	TBLASTX:Maize
Start	10609	End	11045
GI	none	Score	137
Exons	10609..10812, 10654..10812, 10807..11040, 10817..10939, 10822..11025, 10824..11045		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87456	Strand	+
Start	1	End	5415
Name	OJ000222_02.0327.C3.o1.np	Method	AAT/NAP
Start	1	End	5153
GI	4582783	Score	1565
Exons	1..79, 1337..1462, 1560..1635, 1716..1900, 2043..2234,		

2320..2388, 2950..3162, 3919..4044, 4226..4375, 4687..4748, 4819..4894, 4980..5153

GI Descrip. (AJ006752) starch synthase, isoform V [Vigna unguiculata]

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87456	Strand	+
Start	1	End	5415
Name	OJ000222_02.0327.C3.o1.gs	Method	GENSCAN
Start	1328	End	5330
GI	none	Score	.69
Exons	1328..1462, 1560..1635, 1716..1900, 1942..2127, 2320..2388, 2953..3162, 4226..4375, 4687..4748, 4819..4894, 5274..5330		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87456	Strand	+
Start	1	End	5415
Name	OJ000222_02.0327.C3.o1.gp	Method	AAT/GAP
Start	4821	End	5415
GI	34735_1.R1084	Score	941
Exons	4821..4894, 4980..5415		

GI Descrip. '1661160 9.0e-12 (U74295) chlorophyll a/b binding protein [Oryza sativa]'

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o2.tm	Method	TBLASTX:Maize
Start	1337	End	2111
GI	none	Score	117
Exons	1337..1465, 1338..1466, 1381..1470, 1385..1465, 1550..1636, 1554..1640, 1578..1637, 1714..1899, 1715..1900, 2036..2107, 2037..2111		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o2.tc	Method	TBLASTX:Cress
Start	1711	End	1915
GI	none	Score	325
Exons	1711..1902, 1712..1915, 1712..1903		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o2.ts	Method	TBLASTX:Soybean
Start	1714	End	2108
GI	none	Score	296
Exons	1714..1896, 1715..1900, 2036..2104, 2037..2108		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o3.tc	Method	TBLASTX:Cress
Start	2037	End	2195
GI	none	Score	218
Exons	2037..2195, 2042..2194		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o3.ts	Method	TBLASTX:Soybean
Start	2338	End	4736
GI	none	Score	68
Exons	2338..2385, 2945..3103, 2950..3165, 2952..3164, 3902..4036, 3918..4040, 3918..4040, 3919..4044, 3940..4044, 4223..4381, 4223..4378, 4228..4371, 4246..4386, 4678..4734, 4686..4736		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o3.tm	Method	TBLASTX:Maize
Start	2950	End	3181
GI	none	Score	290
Exons	2950..3165, 2951..3172, 2952..3167, 2954..3181		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o5.tm	Method	TBLASTX:Maize
Start	3429	End	3618
GI	none	Score	106
Exons	3429..3605, 3430..3618		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o4.tm	Method	TBLASTX:Maize
Start	4221	End	5095
GI	none	Score	225
Exons	4221..4373, 4225..4374, 4232..4381, 4232..4378, 4664..4744, 4668..4730, 4678..4755, 4684..4794, 4809..4898, 4838..4894, 4858..4911, 4977..5084, 4980..5087, 5024..5095, 5027..5095		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o2.gp	Method	AAT/GAP
Start	5915	End	6821
GI	360_13.R1084	Score	1349
Exons	5915..6821		
GI Descrip.	'1661160 9.0e-12 (U74295) chlorophyll a/b binding protein [Oryza sativa]'		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o2.gs	Method	GENSCAN
Start	5952	End	6727
GI	none	Score	.42
Exons	5952..6727		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821

Name	OJ000222_02.0327.C3.o1.tm	Method	TBLASTX:Maize
Start	6090	End	6775
GI	none	Score	306
Exons	6090..6158, 6102..6323, 6122..6775, 6371..6754, 6507..6773, 6554..6754		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o1.ts	Method	TBLASTX:Soybean
Start	6117	End	6775
GI	none	Score	254
Exons	6117..6326, 6122..6775, 6392..6751, 6507..6773		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o1.tc	Method	TBLASTX:Cress
Start	6122	End	6776
GI	none	Score	269
Exons	6122..6385, 6123..6326, 6386..6775, 6392..6751, 6507..6776		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o2.np	Method	AAT/NAP
Start	6125	End	6821
GI	7443224	Score	1212
Exons	6125..6821		
GI Descrip.	chlorophyll a/b-binding protein precursor kcd1895 - rice gi|1661160|gb|AAB18404.1| (U74295) chlorophyll a/b binding protein [Oryza sativa]		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o1.tw	Method	TBLASTX:Wheat
Start	6131	End	6574
GI	none	Score	274
Exons	6131..6433, 6132..6326, 6371..6439, 6435..6512, 6437..6574, 6437..6574		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o2.tw	Method	TBLASTX:Wheat
Start	6590	End	6776
GI	none	Score	234
Exons	6590..6775, 6594..6776		

Seq. No.	42098	Seq. ID	OJ000222_02.0327.C3
Gene No.	87457	Strand	-
Start	5952	End	6821
Name	OJ000222_02.0327.C3.o3.gp	Method	AAT/GAP
Start	6695	End	6821
GI	700509	Score	233
Exons	6695..6821		

GI Descrip.	1661160 9.0e-12 (U74295) chlorophyll a/b binding protein [Oryza sativa]		
Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87458	Strand	+
Start	4203	End	4940
Name	OJ000222_02.0327.C4.o1.np	Method	AAT/NAP
Start	4203	End	4940
GI	7487104	Score	627
Exons	4203..4940		
GI Descrip.	hypothetical protein T16L4.40 - Arabidopsis thaliana gi|5123547|emb|CAB45313.1| (AL079344) putative protein [Arabidopsis thaliana] gi|7269852|emb|CAB79711.1| (AL161575) putative protein [Arabidopsis thaliana]		
Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87459	Strand	+
Start	6868	End	10204
Name	OJ000222_02.0327.C4.o2.np	Method	AAT/NAP
Start	6812	End	9341
GI	2499327	Score	813
Exons	6812..7232, 9110..9341		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 20 KD SUBUNIT PRECURSOR (COMPLEX I-20KD) (CI-20KD) gi|1084345|pir||S52286 NADH dehydrogenase (EC 1.6.99.3) - Arabidopsis thaliana gi|643090|emb|CAA58887.1| (X84078) NADH dehydrogenase [Arabidopsis thaliana]		
Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87459	Strand	+
Start	6868	End	10204
Name	OJ000222_02.0327.C4.o2.gs	Method	GENSCAN
Start	6868	End	10204
GI	none	Score	.44
Exons	6868..7232, 9110..9340, 10066..10204		
Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87460	Strand	+
Start	10605	End	14650
Name	OJ000222_02.0327.C4.o3.gs	Method	GENSCAN
Start	10605	End	12803
GI	none	Score	.7
Exons	10605..10882, 12611..12803		
Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87460	Strand	+
Start	10605	End	14650
Name	OJ000222_02.0327.C4.o3.np	Method	AAT/NAP
Start	12669	End	14641
GI	6850873	Score	764
Exons	12669..12836, 13332..14641		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		
Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87460	Strand	+
Start	10605	End	14650
Name	OJ000222_02.0327.C4.o4.gs	Method	GENSCAN
Start	13310	End	14650

GI	none	Score	1
Exons	13310..14650		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87461	Strand	-
Start	4134	End	5223
Name	OJ000222_02.0327.C4.o1.gp	Method	AAT/GAP
Start	4134	End	5223
GI	28017_1.R1084	Score	2062
Exons	4134..5223		
GI Descrip.	'5123547/emb|CAB45313.1| 6.0e-48 (AL079344) putative protein [Arabidopsis thaliana]'		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87462	Strand	-
Start	9182	End	9598
Name	OJ000222_02.0327.C4.o2.gp	Method	AAT/GAP
Start	9182	End	9598
GI	18742_1.R1084	Score	752
Exons	9182..9598		
GI Descrip.	'2499327/sp|Q42577|NUKM_ARATH 1.0e-18 NADH-UBIQUINONE OXIDOREDUCTASE 20 KD SUBUNIT PRECURSOR (COMPLEX I-20KD) (CI-20KD) >gi_1084345_pir__S52286 NADH dehydrogenase (EC 1.6.99.3) - Arabidopsis thaliana >gi_643090_emb_CAA58887.1_ (X84078) NADH dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87463	Strand	-
Start	15444	End	16781
Name	OJ000222_02.0327.C4.o4.np	Method	AAT/NAP
Start	15444	End	16781
GI	4755196	Score	651
Exons	15444..16428, 16720..16781		
GI Descrip.	(AC007018) unknown protein [Arabidopsis thaliana]		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87463	Strand	-
Start	15444	End	16781
Name	OJ000222_02.0327.C4.o5.gs	Method	GENSCAN
Start	15444	End	16400
GI	none	Score	.68
Exons	15444..16400		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87464	Strand	-
Start	18813	End	22613
Name	OJ000222_02.0327.C4.o6.gs	Method	GENSCAN
Start	18813	End	22179
GI	none	Score	.82
Exons	18813..18893, 18999..19121, 19297..19421, 19686..19809, 19883..19936, 20206..20259, 20396..20465, 20617..20759, 20834..20977, 21471..21521, 21612..21742, 21842..21958, 22089..22179		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87464	Strand	-
Start	18813	End	22613

Name	OJ000222_02.0327.C4.o5.np	Method	AAT/NAP
Start	19648	End	22613
GI	95995	Score	245
Exons	19648..19864, 20111..20301, 20396..20465, 20617..20759, 20837..20977, 21047..21079, 22568..22613		
GI Descrip.	mrp protein - Escherichia coli gi|42017|emb|CAA39316| (X55791) put. ATPase [Escherichia coli]		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o1.tm	Method	TBLASTX:Maize
Start	4176	End	4672
GI	none	Score	518
Exons	4176..4580, 4193..4597, 4581..4622, 4631..4672, 4632..4670		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o2.ts	Method	TBLASTX:Soybean
Start	4203	End	4673
GI	none	Score	440
Exons	4203..4577, 4208..4243, 4299..4460, 4313..4564, 4587..4646, 4641..4673		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o1.tc	Method	TBLASTX:Cress
Start	4211	End	4576
GI	none	Score	421
Exons	4211..4246, 4212..4574, 4299..4442, 4313..4576		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o2.tw	Method	TBLASTX:Wheat
Start	4593	End	4877
GI	none	Score	46
Exons	4593..4628, 4632..4715, 4634..4714, 4677..4877, 4718..4870		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o8.ts	Method	TBLASTX:Soybean
Start	4718	End	4904
GI	none	Score	235
Exons	4718..4858, 4719..4889, 4791..4904		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o3.tc	Method	TBLASTX:Cress
Start	6993	End	9350
GI	none	Score	405
Exons	6993..7232, 6994..7233, 9084..9350, 9107..9343, 9111..9347		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o5.ts	Method	TBLASTX:Soybean
Start	6993	End	7233
GI	none	Score	411
Exons	6993..7232, 6994..7233, 7081..7233		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o3.tm	Method	TBLASTX:Maize
Start	6993	End	9484
GI	none	Score	417
Exons	6993..7232, 6994..7233, 7081..7233, 9084..9344, 9102..9347, 9103..9348, 9107..9355, 9349..9432, 9409..9477, 9440..9484, 9441..9470, 9442..9474		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o1.tw	Method	TBLASTX:Wheat
Start	7012	End	9316
GI	none	Score	207
Exons	7012..7227, 7077..7220, 9108..9161, 9122..9175, 9188..9316, 9213..9311		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o9.ts	Method	TBLASTX:Soybean
Start	8266	End	14645
GI	none	Score	84
Exons	8266..8358, 14356..14448, 14357..14440, 14440..14487, 14441..14488, 14518..14637, 14522..14641, 14540..14644, 14562..14645		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o7.ts	Method	TBLASTX:Soybean
Start	9185	End	9383
GI	none	Score	253
Exons	9185..9346, 9210..9383		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o5.tc	Method	TBLASTX:Cress
Start	10715	End	12797
GI	none	Score	185
Exons	10715..10888, 10719..10880, 12591..12656, 12599..12667, 12698..12793, 12699..12797, 12708..12797		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543

Name	OJ000222_02.0327.C4.o12.tm	Method	TBLASTX:Maize
Start	10718	End	12815
GI	none	Score	191
Exons	10718..10888, 10719..10880, 10754..10882, 12599..12667, 12600..12653, 12698..12802, 12699..12815		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o2.tc	Method	TBLASTX:Cress
Start	13510	End	14641
GI	none	Score	239
Exons	13510..13746, 13511..13777, 13799..13993, 13810..13911, 14152..14232, 14153..14188, 14215..14265, 14225..14272, 14362..14487, 14363..14488, 14521..14634, 14522..14641		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o2.tm	Method	TBLASTX:Maize
Start	13526	End	14224
GI	none	Score	282
Exons	13526..13774, 13528..13755, 13799..14044, 13804..14043, 14096..14221, 14141..14224		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o3.ts	Method	TBLASTX:Soybean
Start	13526	End	14272
GI	none	Score	261
Exons	13526..13771, 13531..13764, 13799..13870, 13804..13869, 13916..14062, 14048..14248, 14068..14220, 14201..14272, 14218..14262		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o7.tm	Method	TBLASTX:Maize
Start	14362	End	14641
GI	none	Score	147
Exons	14362..14487, 14363..14488, 14518..14640, 14522..14641		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o5.tm	Method	TBLASTX:Maize
Start	15424	End	15690
GI	none	Score	212
Exons	15424..15585, 15436..15582, 15447..15584, 15534..15611, 15579..15662, 15594..15686, 15595..15690		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o6.ts	Method	TBLASTX:Soybean
Start	15427	End	15746

GI	none	Score	207
Exons	15427..15744, 15435..15746		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o13.tm	Method	TBLASTX:Maize
Start	15819	End	16002
GI	none	Score	139
Exons	15819..16001, 15820..16002		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o4.ts	Method	TBLASTX:Soybean
Start	15819	End	16781
GI	none	Score	134
Exons	15819..16001, 15820..16002, 16053..16145, 16057..16131, 16134..16181, 16224..16418, 16225..16407, 16719..16781		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o10.tm	Method	TBLASTX:Maize
Start	16227	End	16781
GI	none	Score	119
Exons	16227..16427, 16228..16428, 16719..16781		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o8.tm	Method	TBLASTX:Maize
Start	18699	End	19128
GI	none	Score	52
Exons	18699..18788, 18775..18846, 18782..18838, 18825..18896, 18827..18901, 18831..18902, 18987..19121, 18988..19128, 18996..19121, 19009..19128		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o1.ts	Method	TBLASTX:Soybean
Start	18846	End	21214
GI	none	Score	96
Exons	18846..18896, 18987..19019, 19020..19121, 19023..19121, 19295..19420, 19296..19406, 19297..19419, 19675..19809, 19685..19807, 19874..19939, 19883..19942, 20013..20105, 20014..20106, 20015..20110, 20022..20111, 20203..20304, 20204..20302, 20384..20464, 20388..20465, 20586..20759, 20586..20759, 20617..20760, 20620..20760, 20834..20980, 20835..20978, 21045..21206, 21047..21205, 21047..21214, 21057..21206		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o9.tm	Method	TBLASTX:Maize

Start	19296	End	19813
GI	none	Score	177
Exons	19296..19406, 19297..19422, 19297..19422, 19672..19812, 19673..19813		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o11.tm	Method	TBLASTX:Maize
Start	19874	End	20304
GI	none	Score	108
Exons	19874..19939, 20001..20108, 20014..20109, 20015..20107, 20203..20304, 20204..20302		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o4.tm	Method	TBLASTX:Maize
Start	20820	End	21145
GI	none	Score	215
Exons	20820..20978, 20834..20980, 20835..20978, 21042..21143, 21047..21145, 21057..21143		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o4.tc	Method	TBLASTX:Cress
Start	21161	End	21749
GI	none	Score	67
Exons	21161..21202, 21471..21530, 21472..21522, 21600..21749, 21604..21693		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o10.ts	Method	TBLASTX:Soybean
Start	21465	End	21737
GI	none	Score	54
Exons	21465..21530, 21469..21522, 21600..21737, 21610..21693		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o7.gs	Method	GENSCAN
Start	23288	End	26817
GI	none	Score	.78
Exons	23288..23443, 24946..25037, 26420..26495, 26608..26817		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o6.np	Method	AAT/NAP
Start	24904	End	29543
GI	7413649	Score	147
Exons	24904..25037, 26420..26495, 28892..28983, 29487..29543		
GI Descrip.	(AL162971) putative protein [Arabidopsis thaliana]		

Seq. No.	42099	Seq. ID	OJ000222_02.0327.C4
Gene No.	87465	Strand	-
Start	23288	End	29543
Name	OJ000222_02.0327.C4.o6.tm	Method	TBLASTX:Maize
Start	24982	End	26818
GI	none	Score	84
Exons	24982..25038, 24983..25042, 26415..26498, 26419..26496, 26420..26497, 26587..26640, 26609..26641, 26659..26706, 26659..26694, 26731..26817, 26735..26818, 26738..26818		

Seq. No.	42100	Seq. ID	OJ000222_02.0327.C6
Gene No.	87466	Strand	-
Start	456	End	2677
Name	OJ000222_02.0327.C6.o1.gs	Method	GENSCAN
Start	456	End	2677
GI	none	Score	.73
Exons	456..576, 1013..1013, 1064..1218, 1261..1395, 1484..1764, 2060..2430, 2545..2677		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87467	Strand	+
Start	14282	End	21670
Name	OJ000222_02.0327.C7.o4.gs	Method	GENSCAN
Start	14282	End	21670
GI	none	Score	.55
Exons	14282..14403, 15889..16065, 16815..17016, 17686..17724, 19082..19219, 19294..19452, 19951..20170, 21540..21670		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87468	Strand	+
Start	25208	End	25804
Name	OJ000222_02.0327.C7.o2.gp	Method	AAT/GAP
Start	25208	End	25804
GI	2799807	Score	1089
Exons	25208..25804		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87469	Strand	+
Start	25948	End	26923
Name	OJ000222_02.0327.C7.o3.gp	Method	AAT/GAP
Start	25948	End	26923
GI	none	Score	1553
Exons	25948..26277, 26438..26923		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87470	Strand	+
Start	26837	End	29361
Name	OJ000222_02.0327.C7.o7.gs	Method	GENSCAN
Start	26837	End	29317
GI	none	Score	.79
Exons	26837..27006, 27094..27181, 28044..28125, 28825..28907, 29035..29126, 29194..29317		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87470	Strand	+
Start	26837	End	29361
Name	OJ000222_02.0327.C7.o2.np	Method	AAT/NAP

Start	26891	End	29361
GI	4105798	Score	623
Exons	26891..26956, 27086..27181, 27861..27953, 28044..28121, 28212..28255, 28327..28367, 28825..28907, 29035..29126, 29212..29361		
GI Descrip.	(AF049930) PGP237-11 [Petunia x hybrida]		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87470	Strand	+
Start	26837	End	29361
Name	OJ000222_02.0327.C7.o4.gp	Method	AAT/GAP
Start	27108	End	29361
GI	25531_1.R1084	Score	1022
Exons	27108..27181, 27861..27953, 28044..28121, 28212..28255, 28327..28367, 28825..28907, 29035..29126, 29212..29361		
GI Descrip.	'4105798 3.0e-99 (AF049930) PGP237-11 [Petunia x hybrida]'		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87471	Strand	-
Start	1936	End	8729
Name	OJ000222_02.0327.C7.o1.np	Method	AAT/NAP
Start	1921	End	7246
GI	2285885	Score	1506
Exons	1921..2103, 2581..2657, 2769..2851, 2941..3131, 3229..3515, 3609..3735, 3836..3952, 4061..4174, 4299..4364, 6288..6459, 6601..6808, 6905..7246		
GI Descrip.	(D89631) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87471	Strand	-
Start	1936	End	8729
Name	OJ000222_02.0327.C7.o2.gs	Method	GENSCAN
Start	1936	End	8729
GI	none	Score	.45
Exons	1936..2103, 2581..2657, 2769..2851, 2941..3131, 3229..3399, 3401..3515, 3609..3735, 3865..3952, 4061..4174, 4299..4364, 6255..6459, 6601..6808, 6905..7055, 7102..7361, 7393..7512, 8552..8729		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87472	Strand	-
Start	10905	End	10984
Name	OJ000222_02.0327.C7.o1.gp	Method	AAT/GAP
Start	10905	End	10984
GI	5867_1.R1084	Score	129
Exons	10905..10984		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87473	Strand	-
Start	22616	End	23937

Name	OJ000222_02.0327.C7.o5.gs	Method	GENSCAN
Start	22616	End	23937
GI	none	Score	.94
Exons	22616..22797, 23736..23937		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87474	Strand	-
Start	24621	End	25966
Name	OJ000222_02.0327.C7.o1.tc	Method	TBLASTX:Cress
Start	1972	End	7169
GI	none	Score	116
Exons	1972..2112, 2764..2835, 2920..3132, 2940..3131, 3217..3525, 3227..3517, 3607..3741, 3608..3748, 3828..3950, 3836..3952, 4049..4162, 4058..4168, 4302..4382, 6276..6476, 6310..6471, 6345..6473, 6600..6806, 6601..6807, 6906..7169, 6907..7059		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87474	Strand	-
Start	24621	End	25966
Name	OJ000222_02.0327.C7.o1.ts	Method	TBLASTX:Soybean
Start	2809	End	3679
GI	none	Score	55
Exons	2809..2853, 2940..3137, 3212..3313, 3217..3525, 3350..3517, 3607..3678, 3608..3679		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87474	Strand	-
Start	24621	End	25966
Name	OJ000222_02.0327.C7.o1.tm	Method	TBLASTX:Maize
Start	2824	End	3730
GI	none	Score	90
Exons	2824..2853, 2920..3132, 2940..3137, 3217..3525, 3239..3313, 3350..3517, 3607..3729, 3608..3730		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87474	Strand	-
Start	24621	End	25966
Name	OJ000222_02.0327.C7.o1.tw	Method	TBLASTX:Wheat
Start	3448	End	4171
GI	none	Score	61
Exons	3448..3525, 3455..3517, 3607..3741, 3608..3748, 3836..3937, 4058..4171		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87474	Strand	-
Start	24621	End	25966
Name	OJ000222_02.0327.C7.o2.ts	Method	TBLASTX:Soybean
Start	6291	End	7046
GI	none	Score	126
Exons	6291..6485, 6319..6471, 6600..6806, 6900..7046		

Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87474	Strand	-
Start	24621	End	25966
Name	OJ000222_02.0327.C7.o3.tm	Method	TBLASTX:Maize
Start	6315	End	6485
GI	none	Score	145

Exons	6315..6485, 6316..6480		
Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87474	Strand	-
Start	24621	End	25966
Name	OJ000222_02.0327.C7.o6.gs	Method	GENSCAN
Start	24621	End	25966
GI	none	Score	.67
Exons	24621..24660, 25270..25511, 25964..25966		
Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87475	Strand	
Start	26443	End	29340
Name	OJ000222_02.0327.C7.o2.tm	Method	TBLASTX:Maize
Start	26443	End	29340
GI	none	Score	44
Exons	26443..26490, 26444..26485, 26529..26567, 26556..26660, 26569..26658, 26628..26723, 26721..26789, 26725..26790, 26725..26787, 26775..26888, 26779..26892, 26781..26879, 26876..27007, 26891..27007, 26895..27011, 27093..27176, 27094..27177, 27094..27177, 27140..27181, 27858..27959, 27859..27954, 27860..27955, 28041..28133, 28042..28122, 28211..28255, 28212..28256, 28319..28369, 28324..28368, 28823..28906, 28824..28907, 28845..28919, 29029..29127, 29029..29127, 29034..29144, 29049..29129, 29208..29318, 29210..29326, 29212..29340, 29213..29317		
Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87475	Strand	
Start	26443	End	29340
Name	OJ000222_02.0327.C7.o2.tw	Method	TBLASTX:Wheat
Start	27094	End	28372
GI	none	Score	60
Exons	27094..27174, 27143..27175, 27888..27956, 27890..27955, 28043..28093, 28044..28130, 28197..28256, 28217..28255, 28319..28372, 28324..28368		
Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87475	Strand	
Start	26443	End	29340
Name	OJ000222_02.0327.C7.o3.ts	Method	TBLASTX:Soybean
Start	27094	End	28369
GI	none	Score	76
Exons	27094..27174, 27140..27181, 27858..27959, 27860..27955, 27874..27966, 28043..28093, 28044..28148, 28048..28149, 28197..28256, 28227..28253, 28319..28351, 28346..28369		
Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7
Gene No.	87475	Strand	
Start	26443	End	29340
Name	OJ000222_02.0327.C7.o2.tc	Method	TBLASTX:Cress
Start	28319	End	29287
GI	none	Score	75
Exons	28319..28357, 28803..28907, 28826..28906, 29029..29127, 29029..29130, 29037..29144, 29210..29287, 29215..29262		
Seq. No.	42101	Seq. ID	OJ000222_02.0327.C7

Gene No.	87475	Strand	
Start	26443	End	29340
Name	OJ000222_02.0327.C7.o4.ts	Method	TBLASTX:Soybean
Start	28809	End	29287
GI	none	Score	158
Exons	28809..28907, 28823..28906, 29029..29127, 29034..29144, 29210..29287, 29215..29256		

Seq. No.	42102	Seq. ID	OJ000222_02.0327.C8
Gene No.	87476	Strand	+
Start	1	End	399
Name	OJ000222_02.0327.C8.o1.gp	Method	AAT/GAP
Start	1	End	399
GI	25531_1.R1084	Score	773
Exons	1..399		
GI Descrip.	'4105798 3.0e-99 (AF049930) PGP237-11 [Petunia x hybrida]'		

Seq. No.	42102	Seq. ID	OJ000222_02.0327.C8
Gene No.	87477	Strand	+
Start	952	End	1877
Name	OJ000222_02.0327.C8.o1.gs	Method	GENSCAN
Start	952	End	1877
GI	none	Score	.55
Exons	952..1035, 1842..1877		

Seq. No.	42102	Seq. ID	OJ000222_02.0327.C8
Gene No.	87478	Strand	-
Start	2443	End	6010
Name	OJ000222_02.0327.C8.o2.gs	Method	GENSCAN
Start	2443	End	6010
GI	none	Score	.7
Exons	2443..2590, 2915..3031, 3138..3836, 4232..4259, 4705..4770, 5716..6010		

Seq. No.	42102	Seq. ID	OJ000222_02.0327.C8
Gene No.	87478	Strand	-
Start	2443	End	6010
Name	OJ000222_02.0327.C8.o1.np	Method	AAT/NAP
Start	2920	End	5064
GI	4874307	Score	103
Exons	2920..3029, 3139..3424, 5030..5064		
GI Descrip.	(AC006053) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87479	Strand	+
Start	54	End	605
Name	OJ000222_02.0327.C9.o1.gs	Method	GENSCAN
Start	54	End	605
GI	none	Score	.76
Exons	54..605		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87480	Strand	+
Start	20904	End	24275
Name	OJ000222_02.0327.C9.o3.np	Method	AAT/NAP
Start	20760	End	24275
GI	7434421	Score	2779

Exons	20760..20879, 21000..24275		
GI Descrip.	brassinosteroid-insensitive protein BRI1 - Arabidopsis thaliana gi|2392895|gb|AAC49810.1| (AF017056) brassinosteroid insensitive 1 [Arabidopsis thaliana] gi|5042156|emb|CAB44675.1| (AL078620) brassinosteroid insensitive 1 gene (BRI1) [Arabidopsis thaliana] gi|7270924|emb|CAB80603.1| (AL161595) brassinosteroid insensitive 1 gene (BRI1) [Arabidopsis thaliana]		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87480	Strand	+
Start	20904	End	24275
Name	OJ000222_02.0327.C9.o5.gs	Method	GENSCAN
Start	20904	End	24269
GI	none	Score	.97
Exons	20904..24269		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87481	Strand	-
Start	2564	End	8443
Name	OJ000222_02.0327.C9.o2.gs	Method	GENSCAN
Start	2564	End	8326
GI	none	Score	.68
Exons	2564..2906, 3586..3688, 3784..4051, 4125..4310, 4782..4817, 4906..5004, 5094..5333, 5408..5725, 5822..5879, 7400..7555, 7916..8131, 8229..8326		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87481	Strand	-
Start	2564	End	8443
Name	OJ000222_02.0327.C9.o2.np	Method	AAT/NAP
Start	3588	End	8443
GI	6562375	Score	1141
Exons	3588..3688, 3784..4004, 4070..4343, 4906..5004, 5094..5333, 5408..5725, 5822..5879, 7400..7545, 7910..8131, 8229..8305, 8342..8443		
GI Descrip.	(AJ249962) potassium channel [Daucus carota]		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87482	Strand	-
Start	14361	End	16910
Name	OJ000222_02.0327.C9.o4.gs	Method	GENSCAN
Start	14361	End	16910
GI	none	Score	.72
Exons	14361..14434, 14568..14739, 15451..15556, 15823..15914, 16549..16608, 16776..16910		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o2.tc	Method	TBLASTX:Cress
Start	3594	End	8134
GI	none	Score	75
Exons	3594..3701, 4194..4328, 4201..4296, 4906..5004, 4906..5004, 5091..5294, 5408..5725, 5433..5744, 5817..5891, 5819..5881, 7477..7557, 7912..8133, 8057..8134		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9

Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o4.tm	Method	TBLASTX:Maize
Start	4099	End	4308
GI	none	Score	179
Exons	4099..4284, 4126..4308, 4128..4307		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o4.ts	Method	TBLASTX:Soybean
Start	4898	End	5333
GI	none	Score	79
Exons	4898..5005, 4906..5004, 5091..5333		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o5.tm	Method	TBLASTX:Maize
Start	5238	End	5501
GI	none	Score	118
Exons	5238..5333, 5252..5332, 5260..5334, 5378..5488, 5409..5501		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o3.ts	Method	TBLASTX:Soybean
Start	5444	End	5731
GI	none	Score	133
Exons	5444..5596, 5448..5594, 5606..5731		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o2.ts	Method	TBLASTX:Soybean
Start	21555	End	22841
GI	none	Score	55
Exons	21555..21614, 21624..21698, 21777..21917, 21786..21917, 21933..22067, 21998..22216, 21999..22217, 22071..22274, 22097..22282, 22098..22295, 22155..22355, 22178..22354, 22214..22447, 22217..22468, 22218..22472, 22656..22841		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o3.tc	Method	TBLASTX:Cress
Start	21624	End	22841
GI	none	Score	75
Exons	21624..21767, 21789..21917, 21890..22270, 21891..22271, 21939..22049, 22008..22343, 22083..22193, 22155..22265, 22155..22430, 22158..22262, 22178..22417, 22308..22439, 22635..22841		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o3.tm	Method	TBLASTX:Maize

Start	21639	End	22910
GI	none	Score	49
Exons	21639..21761, 21768..21887, 21777..21917, 21777..21917, 21786..21917, 21813..21917, 21873..21917, 21933..22397, 21948..22475, 21948..22430, 22002..22433, 22164..22460, 22218..22439, 22250..22357, 22262..22438, 22382..22441, 22614..22859, 22647..22862, 22659..22862, 22662..22709, 22662..22820, 22674..22856, 22674..22859, 22731..22871, 22806..22910, 22842..22910		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o3.tw	Method	TBLASTX:Wheat
Start	21765	End	22472
GI	none	Score	68
Exons	21765..21887, 21924..22259, 22011..22325, 22046..22336, 22092..22403, 22106..22177, 22164..22433, 22236..22439, 22308..22472		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o2.tm	Method	TBLASTX:Maize
Start	22910	End	23414
GI	none	Score	136
Exons	22910..23026, 22911..23039, 22980..23093, 22980..23093, 22981..23094, 23006..23098, 23097..23216, 23100..23219, 23105..23218, 23106..23414, 23213..23407		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o1.ts	Method	TBLASTX:Soybean
Start	23252	End	24191
GI	none	Score	267
Exons	23252..23659, 23253..23960, 23255..23863, 23317..23973, 23954..24175, 23955..24191		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o2.tw	Method	TBLASTX:Wheat
Start	23285	End	23510
GI	none	Score	200
Exons	23285..23506, 23286..23510		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o1.tc	Method	TBLASTX:Cress
Start	23310	End	23767
GI	none	Score	651
Exons	23310..23765, 23318..23767, 23341..23766		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-

Start	27258	End	27662
Name	OJ000222_02.0327.C9.o1.tm	Method	TBLASTX:Maize
Start	23425	End	24188
GI	none	Score	575
Exons	23425..24099, 23425..23661, 23432..23863, 23433..24188, 23433..24155, 23921..24184		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o1.tw	Method	TBLASTX:Wheat
Start	23559	End	23930
GI	none	Score	37
Exons	23559..23588, 23606..23776, 23607..23801, 23811..23930, 23817..23915		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o4.tc	Method	TBLASTX:Cress
Start	23811	End	24155
GI	none	Score	209
Exons	23811..23960, 23814..23960, 24054..24155		

Seq. No.	42103	Seq. ID	OJ000222_02.0327.C9
Gene No.	87483	Strand	-
Start	27258	End	27662
Name	OJ000222_02.0327.C9.o6.gs	Method	GENSCAN
Start	27258	End	27662
GI	none	Score	.51
Exons	27258..27271, 27462..27662		

Seq. No.	42104	Seq. ID	OJ000303_26.0411.C2
Gene No.	87484	Strand	+
Start	268	End	969
Name	OJ000303_26.0411.C2.o1.gs	Method	GENSCAN
Start	268	End	969
GI	none	Score	.45
Exons	268..297, 921..969		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87485	Strand	+
Start	1433	End	1786
Name	OJ000303_26.0411.C3.o1.gs	Method	GENSCAN
Start	1433	End	1786
GI	none	Score	.56
Exons	1433..1786		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87486	Strand	+
Start	8035	End	20783
Name	OJ000303_26.0411.C3.o3.gs	Method	GENSCAN
Start	8035	End	20371
GI	none	Score	.57
Exons	8035..8373, 10949..11044, 11134..11234, 11527..11661, 12355..12442, 12471..12522, 12545..12662, 18141..18370, 18589..18680, 19085..19227, 19308..19408, 20275..20371		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87486	Strand	+
Start	8035	End	20783
Name	OJ000303_26.0411.C3.o2.np	Method	AAT/NAP
Start	14840	End	20783
GI	7340909	Score	250
Exons	14840..15029, 17122..17225, 20474..20783		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87487	Strand	-
Start	2405	End	6754
Name	OJ000303_26.0411.C3.o2.gs	Method	GENSCAN
Start	2405	End	6754
GI	none	Score	.64
Exons	2405..2437, 3329..3529, 3933..4037, 4165..4293, 4782..4894, 4943..5092, 5408..5498, 5641..5948, 6487..6754		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87487	Strand	-
Start	2405	End	6754
Name	OJ000303_26.0411.C3.o1.np	Method	AAT/NAP
Start	3075	End	6751
GI	5103847	Score	1523
Exons	3075..3194, 3329..3529, 3834..4037, 4165..4293, 4782..5498, 5641..5948, 6487..6751		
GI Descrip.	(AC007591) Contains PF|00561 alpha/beta hydrolase fold. [Arabidopsis thaliana]		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87487	Strand	-
Start	2405	End	6754
Name	OJ000303_26.0411.C3.o2.ts	Method	TBLASTX:Soybean
Start	3452	End	4028
GI	none	Score	132
Exons	3452..3529, 3834..4028, 3841..4005		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87487	Strand	-
Start	2405	End	6754
Name	OJ000303_26.0411.C3.o1.tm	Method	TBLASTX:Maize
Start	4215	End	4911
GI	none	Score	38
Exons	4215..4235, 4237..4296, 4238..4294, 4768..4911, 4770..4910		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87487	Strand	-
Start	2405	End	6754
Name	OJ000303_26.0411.C3.o1.tc	Method	TBLASTX:Cress
Start	4761	End	4989
GI	none	Score	112
Exons	4761..4931, 4780..4989, 4801..4932		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87487	Strand	-
Start	2405	End	6754

Name	OJ000303_26.0411.C3.o1.ts	Method	TBLASTX:Soybean
Start	4770	End	5102
GI	none	Score	74
Exons	4770..4931, 4774..4932, 4975..5091, 5037..5102		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87487	Strand	-
Start	2405	End	6754
Name	OJ000303_26.0411.C3.o3.ts	Method	TBLASTX:Soybean
Start	5633	End	5821
GI	none	Score	127
Exons	5633..5821, 5638..5820		

Seq. No.	42105	Seq. ID	OJ000303_26.0411.C3
Gene No.	87487	Strand	-
Start	2405	End	6754
Name	OJ000303_26.0411.C3.o2.tm	Method	TBLASTX:Maize
Start	5754	End	5979
GI	none	Score	222
Exons	5754..5978, 5755..5979, 5756..5977		

Seq. No.	42106	Seq. ID	OJ000303_26.0411.C4
Gene No.	87488	Strand	+
Start	1706	End	1916
Name	OJ000303_26.0411.C4.o1.gs	Method	GENSCAN
Start	1706	End	1916
GI	none	Score	.5
Exons	1706..1916		

Seq. No.	42106	Seq. ID	OJ000303_26.0411.C4
Gene No.	87489	Strand	-
Start	1	End	1536
Name	OJ000303_26.0411.C4.o1.np	Method	AAT/NAP
Start	1	End	1536
GI	7340909	Score	233
Exons	1..241, 1506..1536		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87490	Strand	+
Start	251	End	7708
Name	OJ000303_26.0411.C5.o1.gs	Method	GENSCAN
Start	251	End	7708
GI	none	Score	.8
Exons	251..343, 658..690, 3676..3741, 4002..4069, 4140..4673, 5969..6238, 6321..6464, 6745..6900, 7349..7708		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87490	Strand	+
Start	251	End	7708
Name	OJ000303_26.0411.C5.o1.np	Method	AAT/NAP
Start	3420	End	7708
GI	6226239	Score	1912
Exons	3420..3491, 4132..4673, 5969..6238, 6324..6464, 6553..6900, 7349..7708		
GI Descrip.	PLASTIDIC ATP/ADP-TRANSPORTER gi|4138583|emb|CAA71785| (Y10821) plastidic ATP/ADP-transporter [Solanum tuberosum]		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87490	Strand	+
Start	251	End	7708
Name	OJ000303_26.0411.C5.o1.gp	Method	AAT/GAP
Start	3827	End	4101
GI	3061001	Score	476
Exons	3827..4101		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87490	Strand	+
Start	251	End	7708
Name	OJ000303_26.0411.C5.o2.gp	Method	AAT/GAP
Start	4406	End	6133
GI	uC-osroM202006g03b1	Score	831
Exons	4406..4673, 5969..6133		
GI Descrip.	'4138583/emb|CAA71785| 3.0e-56 (Y10821) plastidic ATP/ADP-transporter [Solanum tuberosum]'		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87491	Strand	-
Start	7528	End	7959
Name	OJ000303_26.0411.C5.o3.gp	Method	AAT/GAP
Start	7528	End	7959
GI	none	Score	786
Exons	7528..7959		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87492	Strand	-
Start	9483	End	13992
Name	OJ000303_26.0411.C5.o1.ts	Method	TBLASTX:Soybean
Start	4185	End	7555
GI	none	Score	678
Exons	4185..4679, 4196..4669, 5965..6192, 5968..6192, 5972..6235, 6170..6196, 6315..6464, 6320..6460, 6365..6496, 6545..6724, 6549..6902, 6550..6903, 6552..6902, 7342..7515, 7346..7555, 7346..7552, 7348..7554		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87492	Strand	-
Start	9483	End	13992
Name	OJ000303_26.0411.C5.o1.tc	Method	TBLASTX:Cress
Start	4191	End	7543
GI	none	Score	684
Exons	4191..4679, 4193..4444, 4491..4625, 4493..4669, 5968..6111, 5972..6103, 6315..6464, 6320..6460, 6545..6724, 6549..6902, 6550..6903, 6552..6902, 7346..7543, 7348..7542		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87492	Strand	-
Start	9483	End	13992
Name	OJ000303_26.0411.C5.o1.tm	Method	TBLASTX:Maize
Start	4191	End	6785
GI	none	Score	357
Exons	4191..4511, 4193..4507, 4500..4625, 4501..4632, 4511..4633, 4511..4669, 4512..4679, 5967..6239, 5968..6252, 5972..6238, 6300..6464, 6315..6464, 6549..6785, 6550..6783		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87492	Strand	-
Start	9483	End	13992
Name	OJ000303_26.0411.C5.o1.tw	Method	TBLASTX:Wheat
Start	6205	End	6825
GI	none	Score	42
Exons	6205..6255, 6206..6238, 6303..6464, 6315..6464, 6325..6483, 6549..6824, 6550..6825, 6550..6825		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87492	Strand	-
Start	9483	End	13992
Name	OJ000303_26.0411.C5.o2.tm	Method	TBLASTX:Maize
Start	6845	End	7778
GI	none	Score	72
Exons	6845..6901, 6845..6901, 6846..6902, 6847..6903, 6847..6927, 7343..7612, 7344..7430, 7346..7612, 7348..7632, 7473..7616, 7615..7695, 7617..7694, 7740..7778		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87492	Strand	-
Start	9483	End	13992
Name	OJ000303_26.0411.C5.o4.gp	Method	AAT/GAP
Start	8822	End	9182
GI	3762767	Score	552
Exons	8822..9182		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87492	Strand	-
Start	9483	End	13992
Name	OJ000303_26.0411.C5.o2.np	Method	AAT/NAP
Start	9322	End	12803
GI	119714	Score	192
Exons	9322..9578, 10352..11023, 12784..12803		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87492	Strand	-
Start	9483	End	13992
Name	OJ000303_26.0411.C5.o2.gs	Method	GENSCAN
Start	9483	End	10900
GI	none	Score	.99
Exons	9483..10167, 10329..10900		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87492	Strand	-
Start	9483	End	13992
Name	OJ000303_26.0411.C5.o2.ts	Method	TBLASTX:Soybean
Start	9546	End	10381
GI	none	Score	110
Exons	9546..9740, 9547..9741, 9762..9806, 9876..9923, 9948..10037, 10081..10161, 10083..10169, 10325..10381		

Seq. No.	42107	Seq. ID	OJ000303_26.0411.C5
Gene No.	87492	Strand	-
Start	9483	End	13992
Name	OJ000303_26.0411.C5.o3.gs	Method	GENSCAN
Start	11070	End	13992
GI	none	Score	.8
Exons	11070..11194, 13360..13411, 13885..13992		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87493	Strand	+
Start	668	End	9138
Name	OJ000303_26.0411.C6.o1.gs	Method	GENSCAN
Start	668	End	8508
GI	none	Score	.49
Exons	668..716, 2424..2471, 2886..3041, 3129..3218, 3551..3631, 3817..4110, 4617..4679, 4763..5665, 5754..5911, 6140..6828, 7060..7094, 7224..7402, 7477..8508		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87493	Strand	+
Start	668	End	9138
Name	OJ000303_26.0411.C6.o1.gp	Method	AAT/GAP
Start	2863	End	3349
GI	2427925	Score	576
Exons	2863..3041, 3129..3218, 3302..3349		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87493	Strand	+
Start	668	End	9138
Name	OJ000303_26.0411.C6.o2.gp	Method	AAT/GAP
Start	3958	End	4433
GI	uC-osf1cyp125b08b1	Score	944
Exons	3958..4433		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87493	Strand	+
Start	668	End	9138
Name	OJ000303_26.0411.C6.o1.np	Method	AAT/NAP
Start	4431	End	9138
GI	4585985	Score	1691
Exons	4431..4496, 4861..4898, 4989..5480, 5829..7601, 7779..8980, 9056..9138		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87494	Strand	-
Start	10419	End	12653
Name	OJ000303_26.0411.C6.o1.tw	Method	TBLASTX:Wheat
Start	5876	End	6300
GI	none	Score	480
Exons	5876..6298, 5876..6298, 5878..6300		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87494	Strand	-

Start	10419	End	12653
Name	OJ000303_26.0411.C6.o3.tm	Method	TBLASTX:Maize
Start	5882	End	6343
GI	none	Score	137
Exons	5882..6160, 6161..6343		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87494	Strand	-
Start	10419	End	12653
Name	OJ000303_26.0411.C6.o2.tm	Method	TBLASTX:Maize
Start	7190	End	7560
GI	none	Score	295
Exons	7190..7444, 7192..7446, 7467..7556, 7468..7560		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87494	Strand	-
Start	10419	End	12653
Name	OJ000303_26.0411.C6.o4.tm	Method	TBLASTX:Maize
Start	7932	End	8205
GI	none	Score	97
Exons	7932..8036, 7933..8037, 7933..8037, 8049..8165, 8050..8205		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87494	Strand	-
Start	10419	End	12653
Name	OJ000303_26.0411.C6.o2.tw	Method	TBLASTX:Wheat
Start	8275	End	8668
GI	none	Score	159
Exons	8275..8433, 8277..8432, 8436..8642, 8437..8643, 8645..8668		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87494	Strand	-
Start	10419	End	12653
Name	OJ000303_26.0411.C6.o1.tm	Method	TBLASTX:Maize
Start	8499	End	8865
GI	none	Score	223
Exons	8499..8639, 8509..8643, 8514..8681, 8644..8865, 8645..8863		

Seq. No.	42108	Seq. ID	OJ000303_26.0411.C6
Gene No.	87494	Strand	-
Start	10419	End	12653
Name	OJ000303_26.0411.C6.o2.gs	Method	GENSCAN
Start	10419	End	12653
GI	none	Score	.61
Exons	10419..10529, 10819..10964, 11122..11438, 12399..12527, 12580..12653		

Seq. No.	42109	Seq. ID	OJ000303_26.0411.C7
Gene No.	87495	Strand	+
Start	10802	End	12869
Name	OJ000303_26.0411.C7.o3.gs	Method	GENSCAN
Start	10802	End	12869
GI	none	Score	.5
Exons	10802..10808, 11274..11353, 11409..12869		

Seq. No.	42109	Seq. ID	OJ000303_26.0411.C7
Gene No.	87495	Strand	+

Start	10802	End	12869
Name	OJ000303_26.0411.C7.o1.np	Method	AAT/NAP
Start	11134	End	12740
GI	5640157	Score	861
Exons	11134..11296, 11388..12740		
GI Descrip.	(AJ242531) gibberellin response modulator [Triticum aestivum]		

Seq. No.	42109	Seq. ID	OJ000303_26.0411.C7
Gene No.	87495	Strand	+
Start	10802	End	12869
Name	OJ000303_26.0411.C7.o1.gp	Method	AAT/GAP
Start	12326	End	12706
GI	1632595	Score	626
Exons	12326..12706		
GI Descrip.	5640157/emb|CAB51555.1| 2.0e-14 (AJ242531) gibberellin response modulator [Triticum aestivum]		

Seq. No.	42109	Seq. ID	OJ000303_26.0411.C7
Gene No.	87496	Strand	-
Start	6211	End	8568
Name	OJ000303_26.0411.C7.o2.gs	Method	GENSCAN
Start	6211	End	8568
GI	none	Score	.43
Exons	6211..6317, 8192..8390, 8452..8568		

Seq. No.	42109	Seq. ID	OJ000303_26.0411.C7
Gene No.	87497	Strand	-
Start	13572	End	13877
Name	OJ000303_26.0411.C7.o2.tm	Method	TBLASTX:Maize
Start	11628	End	11975
GI	none	Score	57
Exons	11628..11675, 11796..11975, 11861..11974, 11877..11975		

Seq. No.	42109	Seq. ID	OJ000303_26.0411.C7
Gene No.	87497	Strand	-
Start	13572	End	13877
Name	OJ000303_26.0411.C7.o1.tc	Method	TBLASTX:Cress
Start	11786	End	12728
GI	none	Score	390
Exons	11786..11998, 11808..12212, 11874..12041, 12210..12263, 12278..12382, 12279..12416, 12471..12644, 12479..12643, 12641..12724, 12642..12728		

Seq. No.	42109	Seq. ID	OJ000303_26.0411.C7
Gene No.	87497	Strand	-
Start	13572	End	13877
Name	OJ000303_26.0411.C7.o1.ts	Method	TBLASTX:Soybean
Start	11850	End	12728
GI	none	Score	448
Exons	11850..12254, 11861..11998, 11880..12038, 12162..12254, 12264..12416, 12281..12382, 12360..12413, 12470..12643, 12471..12644, 12641..12724, 12642..12728		

Seq. No.	42109	Seq. ID	OJ000303_26.0411.C7
Gene No.	87497	Strand	-
Start	13572	End	13877
Name	OJ000303_26.0411.C7.o1.tm	Method	TBLASTX:Maize

Start	11976	End	12725
GI	none	Score	191
Exons	11976..12044, 11979..12197, 12210..12263, 12264..12416, 12281..12382, 12366..12413, 12470..12643, 12471..12644, 12474..12644, 12641..12721, 12642..12725		

Seq. No.	42109	Seq. ID	OJ000303_26.0411.C7
Gene No.	87497	Strand	-
Start	13572	End	13877
Name	OJ000303_26.0411.C7.o4.gs	Method	GENSCAN
Start	13572	End	13877
GI	none	Score	.95
Exons	13572..13877		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87498	Strand	+
Start	11	End	3061
Name	OJ000303_26.0411.C8.o1.gs	Method	GENSCAN
Start	11	End	3061
GI	none	Score	.57
Exons	11..211, 1087..1260, 2957..3009, 3043..3061		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87499	Strand	+
Start	8383	End	9774
Name	OJ000303_26.0411.C8.o1.gp	Method	AAT/GAP
Start	8320	End	8773
GI	53456_1.R1084	Score	904
Exons	8320..8773		
GI Descrip.	'4874306/gb|AAD31368.1|AC006053_10 2.0e-29 (AC006053) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87499	Strand	+
Start	8383	End	9774
Name	OJ000303_26.0411.C8.o3.gs	Method	GENSCAN
Start	8383	End	9774
GI	none	Score	.98
Exons	8383..9774		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87499	Strand	+
Start	8383	End	9774
Name	OJ000303_26.0411.C8.o3.np	Method	AAT/NAP
Start	8386	End	9759
GI	6751706	Score	1347
Exons	8386..9759		
GI Descrip.	(AC018848) putative sulfate transporter [Arabidopsis thaliana]		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87500	Strand	-
Start	2801	End	7507
Name	OJ000303_26.0411.C8.o2.np	Method	AAT/NAP
Start	2801	End	7091
GI	7413540	Score	699
Exons	2801..2924, 4281..5660, 6977..7091		
GI Descrip.	(AL162972) putative protein [Arabidopsis thaliana]		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87500	Strand	-
Start	2801	End	7507
Name	OJ000303_26.0411.C8.o1.np	Method	AAT/NAP
Start	2898	End	7507
GI	7486269	Score	970
Exons	2898..2924, 4281..6088, 7456..7507		
GI Descrip.	hypothetical protein F28A21.160 - Arabidopsis thaliana gi|4539394|emb|CAB37460.1| (AL035526) putative protein [Arabidopsis thaliana] gi|7268669|emb|CAB78877.1| (AL161549) putative protein [Arabidopsis thaliana]		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87500	Strand	-
Start	2801	End	7507
Name	OJ000303_26.0411.C8.o2.gs	Method	GENSCAN
Start	4275	End	6284
GI	none	Score	.64
Exons	4275..6284		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o4.tc	Method	TBLASTX:Cress
Start	4284	End	4623
GI	none	Score	87
Exons	4284..4616, 4285..4623		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o2.tm	Method	TBLASTX:Maize
Start	4296	End	6116
GI	none	Score	83
Exons	4296..4634, 4477..4620, 4638..4715, 4650..5117, 4731..5048, 4737..4997, 4847..4888, 4947..5351, 5007..5195, 5034..5201, 5037..5330, 5089..5331, 5247..5417, 5259..5627, 5265..5639, 5331..5777, 5535..5870, 5563..5649, 5613..5867, 5622..5759, 5703..5750, 5922..6074, 5925..6116, 5928..6116		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o3.ts	Method	TBLASTX:Soybean
Start	4494	End	6053
GI	none	Score	95
Exons	4494..4643, 4495..4620, 4620..4718, 4629..4700, 4734..4832, 4818..4895, 4926..5135, 5433..5561, 5535..5741, 5925..6053		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o1.tw	Method	TBLASTX:Wheat
Start	4588	End	5867
GI	none	Score	37
Exons	4588..4620, 4626..4718, 4639..4716, 4731..4892, 4731..5063,		

4768..4905, 4942..5046, 4953..5372, 5073..5111, 5283..5672,
5395..5481, 5554..5652, 5559..5867

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o2.tc	Method	TBLASTX:Cress
Start	4629	End	6113
GI	none	Score	105
Exons	4629..4892, 4629..5159, 4630..4914, 4737..4997, 4737..4862, 5019..5345, 5097..5468, 5256..5330, 5275..5331, 5328..5624, 5337..5555, 5343..5771, 5446..5649, 5628..5867, 5628..5873, 5958..6074, 5967..6113		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o4.ts	Method	TBLASTX:Soybean
Start	5142	End	5417
GI	none	Score	56
Exons	5142..5417, 5143..5202, 5251..5331		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o2.ts	Method	TBLASTX:Soybean
Start	8433	End	8853
GI	none	Score	327
Exons	8433..8678, 8434..8679, 8682..8726, 8683..8853, 8805..8852		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o3.tm	Method	TBLASTX:Maize
Start	8449	End	8715
GI	none	Score	286
Exons	8449..8541, 8457..8702, 8473..8715		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o3.tc	Method	TBLASTX:Cress
Start	8458	End	8742
GI	none	Score	281
Exons	8458..8742, 8460..8672		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o4.tm	Method	TBLASTX:Maize
Start	8716	End	8868
GI	none	Score	139
Exons	8716..8820, 8808..8867, 8809..8868		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882

Name	OJ000303_26.0411.C8.o1.ts	Method	TBLASTX:Soybean
Start	8983	End	9549
GI	none	Score	337
Exons	8983..9270, 9042..9275, 9249..9545, 9274..9549		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o1.tc	Method	TBLASTX:Cress
Start	9016	End	9665
GI	none	Score	274
Exons	9016..9246, 9042..9236, 9273..9665, 9274..9651		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o1.tm	Method	TBLASTX:Maize
Start	9132	End	9686
GI	none	Score	183
Exons	9132..9344, 9132..9683, 9133..9651, 9340..9684, 9432..9686		

Seq. No.	42110	Seq. ID	OJ000303_26.0411.C8
Gene No.	87501	Strand	-
Start	9409	End	9882
Name	OJ000303_26.0411.C8.o2.gp	Method	AAT/GAP
Start	9409	End	9882
GI	56198_1.R1084	Score	896
Exons	9409..9882		
GI Descrip.	'4874306/gb|AAD31368.1|AC006053_10 1.0e-19 (AC006053) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42111	Seq. ID	OJ000303_26.0411.C9
Gene No.	87502	Strand	+
Start	1107	End	2166
Name	OJ000303_26.0411.C9.o1.gs	Method	GENSCAN
Start	1107	End	2166
GI	none	Score	.45
Exons	1107..1639, 2042..2166		

Seq. No.	42111	Seq. ID	OJ000303_26.0411.C9
Gene No.	87503	Strand	-
Start	4407	End	4530
Name	OJ000303_26.0411.C9.o2.gs	Method	GENSCAN
Start	4407	End	4530
GI	none	Score	.77
Exons	4407..4530		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87504	Strand	+
Start	544	End	6696
Name	OJ000303_26.0411.C10.o1.np	Method	AAT/NAP
Start	544	End	6696
GI	7228457	Score	9347
Exons	544..910, 972..2907, 2971..3805, 3928..5079, 5146..6696		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87505	Strand	+
Start	11690	End	14799
Name	OJ000303_26.0411.C10.o3.gs	Method	GENSCAN
Start	11690	End	14799
GI	none	Score	.76
Exons	11690..11714, 11770..11813, 12012..12185, 12985..13073, 13616..13728, 14756..14799		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87506	Strand	+
Start	16635	End	16850
Name	OJ000303_26.0411.C10.o4.gs	Method	GENSCAN
Start	16635	End	16850
GI	none	Score	.97
Exons	16635..16850		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87507	Strand	-
Start	7334	End	10557
Name	OJ000303_26.0411.C10.o2.gs	Method	GENSCAN
Start	7334	End	10557
GI	none	Score	.98
Exons	7334..9197, 9296..10557		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87507	Strand	-
Start	7334	End	10557
Name	OJ000303_26.0411.C10.o2.np	Method	AAT/NAP
Start	7337	End	10557
GI	6907089	Score	4237
Exons	7337..9197, 9296..10557		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87508	Strand	-
Start	11213	End	12497
Name	OJ000303_26.0411.C10.o3.np	Method	AAT/NAP
Start	11213	End	12497
GI	7523512	Score	109
Exons	11213..11394, 12452..12497		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87508	Strand	-
Start	11213	End	12497
Name	OJ000303_26.0411.C10.o4.np	Method	AAT/NAP
Start	11395	End	12218
GI	5922623	Score	285
Exons	11395..11470, 11638..11796, 12138..12218		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-

Start	17514	End	18492
Name	OJ000303_26.0411.C10.o6.tw	Method	TBLASTX:Wheat
Start	1198	End	1590
GI	none	Score	58
Exons	1198..1245, 1252..1350, 1269..1358, 1317..1556, 1333..1590		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o4.tm	Method	TBLASTX:Maize
Start	1240	End	1488
GI	none	Score	189
Exons	1240..1488		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o5.tw	Method	TBLASTX:Wheat
Start	1598	End	5058
GI	none	Score	226
Exons	1598..1651, 4600..4848, 4624..4848, 4689..4862, 4909..5058, 4920..5057		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o3.tw	Method	TBLASTX:Wheat
Start	2328	End	2814
GI	none	Score	403
Exons	2328..2465, 2329..2814, 2341..2490, 2523..2783		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o1.tw	Method	TBLASTX:Wheat
Start	2978	End	3441
GI	none	Score	223
Exons	2978..3421, 2979..3440, 2980..3441		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o3.ts	Method	TBLASTX:Soybean
Start	3019	End	3384
GI	none	Score	117
Exons	3019..3243, 3250..3384		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o1.tm	Method	TBLASTX:Maize
Start	3109	End	3465
GI	none	Score	392
Exons	3109..3465, 3144..3455, 3160..3465		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-

Start	17514	End	18492
Name	OJ000303_26.0411.C10.o3.tm	Method	TBLASTX:Maize
Start	3492	End	3876
GI	none	Score	360
Exons	3492..3857, 3493..3876		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o2.tw	Method	TBLASTX:Wheat
Start	3549	End	3974
GI	none	Score	488
Exons	3549..3974, 3550..3969		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o1.ts	Method	TBLASTX:Soybean
Start	3628	End	3999
GI	none	Score	279
Exons	3628..3999, 3645..3788		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o2.ts	Method	TBLASTX:Soybean
Start	4747	End	5313
GI	5666795	Score	68
Exons	4747..4845, 4921..5058, 5113..5313		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o8.tw	Method	TBLASTX:Wheat
Start	5061	End	5373
GI	none	Score	192
Exons	5061..5237, 5074..5262, 5113..5373		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o2.tm	Method	TBLASTX:Maize
Start	5566	End	5889
GI	none	Score	362
Exons	5566..5889, 5595..5876		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o4.tw	Method	TBLASTX:Wheat
Start	5703	End	6084
GI	none	Score	375
Exons	5703..5759, 5704..6084, 5707..5958, 5805..6053		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-

Start	17514	End	18492
Name	OJ000303_26.0411.C10.o7.tw	Method	TBLASTX:Wheat
Start	6085	End	6687
GI	none	Score	265
Exons	6085..6369, 6090..6368, 6561..6683, 6562..6687		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o5.gs	Method	GENSCAN
Start	17514	End	18161
GI	none	Score	.53
Exons	17514..17517, 17535..17744, 17911..18161		

Seq. No.	42112	Seq. ID	OJ000303_26.0411.C10
Gene No.	87509	Strand	-
Start	17514	End	18492
Name	OJ000303_26.0411.C10.o5.np	Method	AAT/NAP
Start	17966	End	18492
GI	7523502	Score	143
Exons	17966..18109, 18399..18492		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42113	Seq. ID	OJ000303_26.0411.C11
Gene No.	87510	Strand	+
Start	3245	End	4621
Name	OJ000303_26.0411.C11.o1.gs	Method	GENSCAN
Start	3245	End	4621
GI	none	Score	.41
Exons	3245..3955, 4604..4621		

Seq. No.	42114	Seq. ID	OJ000303_26.0411.C13
Gene No.	87511	Strand	+
Start	1815	End	2072
Name	OJ000303_26.0411.C13.o1.gs	Method	GENSCAN
Start	1815	End	2072
GI	none	Score	.82
Exons	1815..2072		

Seq. No.	42114	Seq. ID	OJ000303_26.0411.C13
Gene No.	87512	Strand	-
Start	2388	End	2599
Name	OJ000303_26.0411.C13.o2.gs	Method	GENSCAN
Start	2388	End	2599
GI	none	Score	.57
Exons	2388..2599		

Seq. No.	42115	Seq. ID	OJ000303_26.0411.C14
Gene No.	87513	Strand	+
Start	7027	End	7857
Name	OJ000303_26.0411.C14.o3.gs	Method	GENSCAN
Start	7027	End	7857
GI	none	Score	.5
Exons	7027..7128, 7249..7341, 7603..7857		

Seq. No.	42115	Seq. ID	OJ000303_26.0411.C14
Gene No.	87514	Strand	-

Start	1	End	1653
Name	OJ000303_26.0411.C14.o1.np	Method	AAT/NAP
Start	1	End	1637
GI	7486767	Score	1010
Exons	1..108, 367..619, 996..1637		
GI Descrip.	hypothetical protein L23H3.20 - Arabidopsis thaliana gi|4914451|emb|CAB43691.1| (AL050398) dimethylaniline monooxygenase-like protein [Arabidopsis thaliana] gi|7270158|emb|CAB79971.1| (AL161581) dimethylaniline monooxygenase-like protein [Arabidopsis thaliana]		

Seq. No.	42115	Seq. ID	OJ000303_26.0411.C14
Gene No.	87514	Strand	-
Start	1	End	1653
Name	OJ000303_26.0411.C14.o1.gs	Method	GENSCAN
Start	8	End	1625
GI	none	Score	.95
Exons	8..112, 371..619, 996..1625		

Seq. No.	42115	Seq. ID	OJ000303_26.0411.C14
Gene No.	87514	Strand	-
Start	1	End	1653
Name	OJ000303_26.0411.C14.o1.gp	Method	AAT/GAP
Start	1335	End	1653
GI	71335_1.R1084	Score	613
Exons	1335..1653		
GI Descrip.	'4914451/emb|CAB43691.1| 9.0e-11 (AL050398) dimethylaniline monooxygenase-like protein [Arabidopsis thaliana]'		

Seq. No.	42115	Seq. ID	OJ000303_26.0411.C14
Gene No.	87515	Strand	-
Start	4183	End	5336
Name	OJ000303_26.0411.C14.o2.np	Method	AAT/NAP
Start	4183	End	5336
GI	5852181	Score	127
Exons	4183..4359, 5017..5336		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	42115	Seq. ID	OJ000303_26.0411.C14
Gene No.	87516	Strand	-
Start	9466	End	11469
Name	OJ000303_26.0411.C14.o4.gs	Method	GENSCAN
Start	9466	End	11469
GI	none	Score	.74
Exons	9466..9678, 9908..10387, 10496..10572, 11337..11469		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87517	Strand	+
Start	46	End	2113
Name	OJ000303_26.0411.C15.o1.gs	Method	GENSCAN
Start	46	End	2113
GI	none	Score	.67
Exons	46..364, 1170..1294, 1479..1658, 1795..2035, 2076..2113		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037

Name	OJ000303_26.0411.C15.o2.gs	Method	GENSCAN
Start	3842	End	14544
GI	none	Score	.84
Exons	3842..3874, 4659..4748, 5226..5387, 5620..5717, 5809..5884, 5953..6034, 7364..7491, 8327..8389, 8871..8994, 10341..10452, 10547..10949, 11490..11567, 11973..14099, 14227..14544		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o1.gp	Method	AAT/GAP
Start	4151	End	5378
GI	2342_1.R1084	Score	1182
Exons	4151..4532, 4659..4748, 5226..5378		
GI Descrip.	'3426051 4.0e-25 (AC005168) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o2.tc	Method	TBLASTX:Cress
Start	4455	End	6037
GI	none	Score	66
Exons	4455..4514, 4456..4527, 4657..4749, 4660..4749, 4698..4751, 5226..5276, 5227..5277, 5275..5388, 5277..5387, 5617..5718, 5621..5719, 5810..5860, 5945..6037, 5953..6036		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o1.np	Method	AAT/NAP
Start	4614	End	9053
GI	7485401	Score	1129
Exons	4614..4748, 5226..5387, 5620..5717, 5809..5860, 5953..6034, 7364..7491, 8327..8389, 8497..8610, 8871..9053		
GI Descrip.	hypothetical protein F12C20.6 - Arabidopsis thaliana gi|3426051|gb|AAC32250.1| (AC005168) putative Na+ dependent ileal bile acid transporter [Arabidopsis thaliana]		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o2.gp	Method	AAT/GAP
Start	5564	End	6034
GI	9200_1.R1084	Score	349
Exons	5564..5717, 5809..5860, 5953..6034		
GI Descrip.	'3426051 9.0e-41 (AC005168) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o3.tc	Method	TBLASTX:Cress
Start	7361	End	8390
GI	none	Score	182
Exons	7361..7492, 7361..7474, 7363..7515, 8321..8389, 8328..8390		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o3.gp	Method	AAT/GAP
Start	8327	End	8555
GI	9200_1.R1084	Score	144
Exons	8327..8389, 8497..8555		
GI Descrip.	'3426051 9.0e-41 (AC005168) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o1.tc	Method	TBLASTX:Cress
Start	8494	End	8993
GI	none	Score	138
Exons	8494..8610, 8495..8611, 8693..8752, 8863..8985, 8868..8993		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o3.np	Method	AAT/NAP
Start	11563	End	15037
GI	2583130	Score	1161
Exons	11563..11642, 11945..12362, 12414..14540, 15010..15037		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o3.tw	Method	TBLASTX:Wheat
Start	12474	End	12881
GI	none	Score	166
Exons	12474..12629, 12678..12881		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o4.tw	Method	TBLASTX:Wheat
Start	13272	End	13460
GI	none	Score	101
Exons	13272..13460, 13279..13419		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o1.tm	Method	TBLASTX:Maize
Start	13321	End	13670
GI	none	Score	144
Exons	13321..13656, 13329..13670		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o1.ts	Method	TBLASTX:Soybean
Start	13338	End	13757

GI	none	Score	106
Exons	13338..13556, 13339..13539, 13554..13757, 13558..13674		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o2.tw	Method	TBLASTX:Wheat
Start	13461	End	13878
GI	none	Score	147
Exons	13461..13523, 13476..13790, 13494..13877, 13495..13878		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o2.tm	Method	TBLASTX:Maize
Start	13677	End	14466
GI	none	Score	99
Exons	13677..13760, 13842..13982, 14040..14222, 14230..14319, 14302..14466		

Seq. No.	42116	Seq. ID	OJ000303_26.0411.C15
Gene No.	87518	Strand	-
Start	3842	End	15037
Name	OJ000303_26.0411.C15.o1.tw	Method	TBLASTX:Wheat
Start	14052	End	14422
GI	none	Score	169
Exons	14052..14216, 14053..14223, 14230..14421, 14231..14422		

Seq. No.	42117	Seq. ID	OJ000303_26.0411.C16
Gene No.	87519	Strand	+
Start	37	End	2671
Name	OJ000303_26.0411.C16.o1.gs	Method	GENSCAN
Start	37	End	2671
GI	none	Score	.93
Exons	37..114, 522..1040, 2540..2671		

Seq. No.	42117	Seq. ID	OJ000303_26.0411.C16
Gene No.	87520	Strand	+
Start	7407	End	9372
Name	OJ000303_26.0411.C16.o1.np	Method	AAT/NAP
Start	7407	End	9372
GI	6715737	Score	391
Exons	7407..7429, 8537..8969, 9061..9372		
GI Descrip.	(AC016447) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	42117	Seq. ID	OJ000303_26.0411.C16
Gene No.	87521	Strand	+
Start	10554	End	11033
Name	OJ000303_26.0411.C16.o1.gp	Method	AAT/GAP
Start	10554	End	11033
GI	none	Score	894
Exons	10554..11033		

Seq. No.	42117	Seq. ID	OJ000303_26.0411.C16
Gene No.	87522	Strand	-
Start	10571	End	10910
Name	OJ000303_26.0411.C16.o1.tm	Method	TBLASTX:Maize

Start	9096	End	9471
GI	none	Score	401
Exons	9096..9320, 9097..9321, 9415..9471		

Seq. No.	42117	Seq. ID	OJ000303_26.0411.C16
Gene No.	87522	Strand	-
Start	10571	End	10910
Name	OJ000303_26.0411.C16.o3.gs	Method	GENSCAN
Start	10571	End	10910
GI	none	Score	.57
Exons	10571..10589, 10781..10910		

Seq. No.	42118	Seq. ID	OJ000303_26.0411.C17
Gene No.	87523	Strand	+
Start	1385	End	2162
Name	OJ000303_26.0411.C17.o1.gp	Method	AAT/GAP
Start	1385	End	2162
GI	4014_1.R1084	Score	1458
Exons	1385..2162		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	42119	Seq. ID	OJ000303_26.0411.C18
Gene No.	87524	Strand	+
Start	1	End	4102
Name	OJ000303_26.0411.C18.o1.np	Method	AAT/NAP
Start	1	End	2726
GI	7445894	Score	1457
Exons	1..381, 467..652, 1080..1277, 1375..1450, 1798..2225, 2258..2726		
GI Descrip.	potassium channel protein - maize gi|2104908|emb|CAA68912.1| (Y07632) potassium channel [Zea mays]		

Seq. No.	42119	Seq. ID	OJ000303_26.0411.C18
Gene No.	87524	Strand	+
Start	1	End	4102
Name	OJ000303_26.0411.C18.o1.tw	Method	TBLASTX:Wheat
Start	348	End	643
GI	none	Score	44
Exons	348..374, 451..642, 454..642, 455..643, 464..643		

Seq. No.	42119	Seq. ID	OJ000303_26.0411.C18
Gene No.	87524	Strand	+
Start	1	End	4102
Name	OJ000303_26.0411.C18.o2.tm	Method	TBLASTX:Maize
Start	460	End	1175
GI	none	Score	273
Exons	460..648, 461..655, 461..652, 1047..1172, 1070..1174, 1071..1175		

Seq. No.	42119	Seq. ID	OJ000303_26.0411.C18
Gene No.	87524	Strand	+
Start	1	End	4102
Name	OJ000303_26.0411.C18.o1.tc	Method	TBLASTX:Cress
Start	488	End	2042
GI	none	Score	73
Exons	488..643, 500..559, 550..639, 563..652, 565..645, 1089..1277, 1106..1282, 1375..1395, 1818..2042		

Seq. No.	42119	Seq. ID	OJ000303_26.0411.C18
Gene No.	87524	Strand	+
Start	1	End	4102
Name	OJ000303_26.0411.C18.o1.ts	Method	TBLASTX:Soybean
Start	500	End	2075
GI	none	Score	220
Exons	500..652, 502..645, 1107..1277, 1109..1282, 1374..1451, 1375..1452, 1790..1924, 1797..1979, 1914..2075		

Seq. No.	42119	Seq. ID	OJ000303_26.0411.C18
Gene No.	87524	Strand	+
Start	1	End	4102
Name	OJ000303_26.0411.C18.o1.gp	Method	AAT/GAP
Start	1076	End	2328
GI	21576_1.R1084	Score	1527
Exons	1076..1277, 1375..1450, 1798..2328		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	42119	Seq. ID	OJ000303_26.0411.C18
Gene No.	87524	Strand	+
Start	1	End	4102
Name	OJ000303_26.0411.C18.o1.gs	Method	GENSCAN
Start	1080	End	4102
GI	none	Score	.43
Exons	1080..1277, 1375..1450, 1798..2675, 3554..4102		

Seq. No.	42119	Seq. ID	OJ000303_26.0411.C18
Gene No.	87524	Strand	+
Start	1	End	4102
Name	OJ000303_26.0411.C18.o1.tm	Method	TBLASTX:Maize
Start	1176	End	2697
GI	none	Score	60
Exons	1176..1277, 1236..1277, 1238..1282, 1346..1441, 1354..1449, 1374..1448, 1375..1437, 1376..1462, 1796..2176, 1797..2171, 1917..2090, 1974..2186, 2246..2446, 2247..2429, 2475..2525, 2483..2524, 2514..2690, 2517..2690, 2629..2697		

Seq. No.	42119	Seq. ID	OJ000303_26.0411.C18
Gene No.	87524	Strand	+
Start	1	End	4102
Name	OJ000303_26.0411.C18.o2.tc	Method	TBLASTX:Cress
Start	2316	End	2684
GI	none	Score	56
Exons	2316..2402, 2418..2612, 2486..2608, 2625..2684		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87525	Strand	+
Start	1	End	4620
Name	OJ000303_25.0406.C3.o1.np	Method	AAT/NAP
Start	1	End	4620
GI	2130082	Score	2070
Exons	1..1758, 4218..4620		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza		

sativa]

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o1.tc	Method	TBLASTX:Cress
Start	138	End	4318
GI	none	Score	38
Exons	138..170, 198..542, 198..566, 198..563, 198..479, 198..563, 198..542, 198..584, 213..542, 240..572, 258..449, 258..563, 273..560, 275..538, 333..587, 383..541, 428..532, 446..541, 483..533, 555..770, 567..896, 569..898, 570..896, 570..896, 570..896, 570..746, 570..896, 570..773, 570..896, 570..704, 572..697, 576..896, 579..848, 596..772, 603..896, 624..893, 624..812, 662..841, 672..896, 705..884, 705..896, 711..821, 723..896, 849..896, 1410..1484, 1524..1679, 4211..4318		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o1.tw	Method	TBLASTX:Wheat
Start	138	End	845
GI	none	Score	236
Exons	138..425, 143..418, 192..368, 270..515, 342..587, 462..806, 759..845		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o2.tm	Method	TBLASTX:Maize
Start	174	End	896
GI	none	Score	230
Exons	174..560, 198..560, 198..440, 207..533, 207..551, 264..551, 351..560, 555..896, 567..896, 570..806, 570..896, 570..893, 570..896, 696..896		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o2.ts	Method	TBLASTX:Soybean
Start	195	End	944
GI	none	Score	229
Exons	195..587, 195..386, 198..587, 198..533, 198..560, 198..464, 207..530, 222..560, 233..388, 269..532, 302..532, 333..560, 335..532, 356..538, 555..896, 564..758, 567..944, 567..896, 570..896, 570..692, 570..896, 570..899, 584..757, 768..896, 831..944		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o1.ts	Method	TBLASTX:Soybean
Start	1161	End	4579
GI	none	Score	94
Exons	1161..1262, 1169..1243, 1278..1490, 1280..1471, 1284..1508, 1491..1757, 1491..1691, 4217..4426, 4457..4579		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o2.tc	Method	TBLASTX:Cress
Start	1161	End	1406
GI	none	Score	79
Exons	1161..1241, 1265..1405, 1266..1406		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	1310	End	1697
GI	none	Score	402
Exons	1310..1471, 1311..1697, 1326..1481, 1526..1687		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o5.tm	Method	TBLASTX:Maize
Start	4216	End	4582
GI	none	Score	135
Exons	4216..4350, 4217..4399, 4466..4582		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o2.np	Method	AAT/NAP
Start	4219	End	6230
GI	6069646	Score	314
Exons	4219..4263, 5546..6230		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o2.gs	Method	GENSCAN
Start	5529	End	6076
GI	none	Score	.41
Exons	5529..5824, 5896..5964, 6050..6076		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o4.tm	Method	TBLASTX:Maize
Start	5617	End	5923
GI	none	Score	57
Exons	5617..5661, 5619..5663, 5699..5923, 5712..5921		

Seq. No.	42120	Seq. ID	OJ000303_25.0406.C3
Gene No.	87526	Strand	-
Start	4219	End	6230
Name	OJ000303_25.0406.C3.o3.tm	Method	TBLASTX:Maize

Start	5978	End	6230
GI	none	Score	62
Exons	5978..6229, 6033..6230		

Seq. No.	42121	Seq. ID	OJ000303_25.0406.C4
Gene No.	87527	Strand	+
Start	1348	End	1576
Name	OJ000303_25.0406.C4.o1.gs	Method	GENSCAN
Start	1348	End	1576
GI	none	Score	.85
Exons	1348..1576		

Seq. No.	42121	Seq. ID	OJ000303_25.0406.C4
Gene No.	87528	Strand	+
Start	10806	End	11108
Name	OJ000303_25.0406.C4.o3.gp	Method	AAT/GAP
Start	10806	End	11108
GI	uC-osflcyp067d10a1	Score	589
Exons	10806..11108		
GI Descrip.	'2988398 4.0e-12 (AC004381) Unknown gene product [Homo sapiens]'		

Seq. No.	42121	Seq. ID	OJ000303_25.0406.C4
Gene No.	87529	Strand	-
Start	1	End	6888
Name	OJ000303_25.0406.C4.o1.np	Method	AAT/NAP
Start	1	End	6288
GI	6671928	Score	450
Exons	1..33, 2787..2887, 3062..3173, 3767..3857, 4002..4109, 4223..4312, 5117..5156, 5239..5347, 5683..5804, 6168..6288		
GI Descrip.	(AC016795) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42121	Seq. ID	OJ000303_25.0406.C4
Gene No.	87529	Strand	-
Start	1	End	6888
Name	OJ000303_25.0406.C4.o2.gs	Method	GENSCAN
Start	2015	End	6288
GI	none	Score	.9
Exons	2015..2291, 2380..2891, 3066..3160, 3763..3901, 4010..4169, 4223..4312, 5117..5156, 5239..5347, 5683..5804, 6144..6288		

Seq. No.	42121	Seq. ID	OJ000303_25.0406.C4
Gene No.	87529	Strand	-
Start	1	End	6888
Name	OJ000303_25.0406.C4.o1.gp	Method	AAT/GAP
Start	2054	End	2424
GI	3759781	Score	514
Exons	2054..2291, 2380..2424		

Seq. No.	42121	Seq. ID	OJ000303_25.0406.C4
Gene No.	87529	Strand	-
Start	1	End	6888
Name	OJ000303_25.0406.C4.o2.gp	Method	AAT/GAP
Start	4228	End	6888
GI	25122_1.R1084	Score	1200
Exons	4228..4312, 5117..5156, 5239..5347, 5683..5804, 6144..6333, 6776..6888		
GI Descrip.	'6041824/gb|AAF02139.1|AC009918_11 2.0e-11 (AC009918)		

hypothetical protein [Arabidopsis thaliana]'

Seq. No.	42121	Seq. ID	OJ000303_25.0406.C4
Gene No.	87530	Strand	-
Start	8653	End	10896
Name	OJ000303_25.0406.C4.o2.tm	Method	TBLASTX:Maize
Start	2364	End	2766
GI	none	Score	35
Exons	2364..2447, 2444..2509, 2449..2508, 2502..2615, 2511..2618, 2542..2619, 2658..2765, 2680..2766		

Seq. No.	42121	Seq. ID	OJ000303_25.0406.C4
Gene No.	87530	Strand	-
Start	8653	End	10896
Name	OJ000303_25.0406.C4.o1.tm	Method	TBLASTX:Maize
Start	2832	End	5784
GI	none	Score	110
Exons	2832..2894, 3056..3172, 3066..3173, 3066..3170, 3749..3922, 3750..3899, 3995..4114, 4011..4115, 4054..4116, 4222..4311, 4223..4312, 5108..5155, 5116..5181, 5116..5154, 5235..5357, 5236..5394, 5237..5347, 5680..5784, 5680..5766		

Seq. No.	42121	Seq. ID	OJ000303_25.0406.C4
Gene No.	87530	Strand	-
Start	8653	End	10896
Name	OJ000303_25.0406.C4.o1.ts	Method	TBLASTX:Soybean
Start	3066	End	4305
GI	none	Score	83
Exons	3066..3173, 3066..3170, 3749..3922, 3777..3866, 3996..4118, 4007..4111, 4219..4305, 4240..4266		

Seq. No.	42121	Seq. ID	OJ000303_25.0406.C4
Gene No.	87530	Strand	-
Start	8653	End	10896
Name	OJ000303_25.0406.C4.o3.gs	Method	GENSCAN
Start	8653	End	10896
GI	none	Score	.72
Exons	8653..8833, 10718..10896		

Seq. No.	42122	Seq. ID	OJ000303_25.0406.C5
Gene No.	87531	Strand	-
Start	1	End	762
Name	OJ000303_25.0406.C5.o1.np	Method	AAT/NAP
Start	1	End	762
GI	5777623	Score	642
Exons	1..29, 97..762		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	42123	Seq. ID	OJ000303_25.0406.C6
Gene No.	87532	Strand	-
Start	140	End	778
Name	OJ000303_25.0406.C6.o1.np	Method	AAT/NAP
Start	140	End	778
GI	5091513	Score	773
Exons	140..778		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	42123	Seq. ID	OJ000303_25.0406.C6
Gene No.	87532	Strand	-
Start	140	End	778
Name	OJ000303_25.0406.C6.o1.gs	Method	GENSCAN
Start	336	End	749
GI	none	Score	.62
Exons	336..749		

Seq. No.	42124	Seq. ID	OJ000303_25.0406.C7
Gene No.	87533	Strand	+
Start	4243	End	4325
Name	OJ000303_25.0406.C7.o1.np	Method	AAT/NAP
Start	4243	End	4325
GI	6630699	Score	76
Exons	4243..4325		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	42124	Seq. ID	OJ000303_25.0406.C7
Gene No.	87534	Strand	+
Start	4452	End	4897
Name	OJ000303_25.0406.C7.o2.np	Method	AAT/NAP
Start	4452	End	4897
GI	6539570	Score	177
Exons	4452..4655, 4831..4897		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	42124	Seq. ID	OJ000303_25.0406.C7
Gene No.	87535	Strand	-
Start	3932	End	5908
Name	OJ000303_25.0406.C7.o3.np	Method	AAT/NAP
Start	3932	End	5908
GI	7340860	Score	90
Exons	3932..3953, 5359..5470, 5878..5908		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87536	Strand	+
Start	105	End	7880
Name	OJ000303_25.0406.C8.o1.np	Method	AAT/NAP
Start	105	End	7385
GI	7228438	Score	6536
Exons	105..2064, 3576..3674, 3759..4169, 4260..4558, 4635..4893, 4985..5167, 5325..5390, 6652..6954, 7125..7385		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87536	Strand	+
Start	105	End	7880
Name	OJ000303_25.0406.C8.o1.gs	Method	GENSCAN
Start	299	End	6240
GI	none	Score	.85
Exons	299..571, 631..2146, 2446..2643, 3082..3232, 3338..3584,		

3759..4169, 4260..4558, 4635..4893, 4985..5167, 5325..5380, 5481..5612, 5676..5723, 5728..5930, 6080..6240

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87536	Strand	+
Start	105	End	7880
Name	OJ000303_25.0406.C8.o1.gp	Method	AAT/GAP
Start	1073	End	1504
GI	5701669	Score	845
Exons	1073..1504		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87536	Strand	+
Start	105	End	7880
Name	OJ000303_25.0406.C8.o2.gp	Method	AAT/GAP
Start	4386	End	4885
GI	LIB3475-007-P1-K1-G8	Score	805
Exons	4386..4558, 4635..4885		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87536	Strand	+
Start	105	End	7880
Name	OJ000303_25.0406.C8.o3.gp	Method	AAT/GAP
Start	6065	End	7880
GI	LIB3431-045-P1-N1-A10	Score	825
Exons	6065..6408, 7771..7880		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87536	Strand	+
Start	105	End	7880
Name	OJ000303_25.0406.C8.o2.gs	Method	GENSCAN
Start	6467	End	7564
GI	none	Score	.41
Exons	6467..6469, 6652..6730, 6824..6954, 7406..7564		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87537	Strand	+
Start	8714	End	20638
Name	OJ000303_25.0406.C8.o2.np	Method	AAT/NAP
Start	8714	End	11668
GI	5739323	Score	1830
Exons	8714..8803, 8861..8958, 8986..9067, 9110..10027, 10176..11668		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87537	Strand	+
Start	8714	End	20638
Name	OJ000303_25.0406.C8.o3.gs	Method	GENSCAN

Start	8714	End	20638
GI	none	Score	.41
Exons	8714..11666, 12510..12709, 12884..13082, 13097..13220, 13295..13392, 14423..14463, 15124..15198, 15390..15528, 16918..17209, 17396..17493, 17884..18496, 18575..19064, 19145..19555, 19628..19687, 19788..19871, 19988..20638		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87538	Strand	-
Start	7823	End	8224
Name	OJ000303_25.0406.C8.o4.gp	Method	AAT/GAP
Start	7823	End	8224
GI	7406_1.R1084	Score	640
Exons	7823..8224		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87539	Strand	-
Start	20838	End	21010
Name	OJ000303_25.0406.C8.o4.gs	Method	GENSCAN
Start	20838	End	21010
GI	none	Score	.88
Exons	20838..21010		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87540	Strand	-
Start	21084	End	21556
Name	OJ000303_25.0406.C8.o1.tm	Method	TBLASTX:Maize
Start	1030	End	1626
GI	none	Score	93
Exons	1030..1158, 1038..1136, 1192..1491, 1209..1430, 1555..1626		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87540	Strand	-
Start	21084	End	21556
Name	OJ000303_25.0406.C8.o1.tw	Method	TBLASTX:Wheat
Start	1324	End	1704
GI	none	Score	204
Exons	1324..1518, 1333..1530, 1524..1643, 1528..1704, 1528..1674		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87540	Strand	-
Start	21084	End	21556
Name	OJ000303_25.0406.C8.o1.ts	Method	TBLASTX:Soybean
Start	8861	End	11413
GI	none	Score	85
Exons	8861..8956, 9119..9202, 9203..9334, 9206..9418, 9206..9418, 9614..9829, 9833..9964, 9845..10027, 9845..10042, 9872..10033, 10034..10255, 10289..10402, 10292..10405, 10310..10402, 10415..10609, 10418..10609, 10418..10609, 10427..10618, 10631..10897, 10631..10912, 10661..10912, 10802..10912, 11006..11365, 11066..11332, 11075..11329, 11075..11332, 11077..11328, 11081..11329, 11096..11329, 11101..11331, 11159..11332, 11173..11328, 11369..11413		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8

Gene No.	87540	Strand	-
Start	21084	End	21556
Name	OJ000303_25.0406.C8.o1.tc	Method	TBLASTX:Cress
Start	8996	End	11431
GI	none	Score	45
Exons	8996..9028, 9107..9202, 9119..9202, 9203..9421, 9203..9418, 9206..9421, 9596..9796, 9833..10033, 9839..10033, 9842..10033, 9845..10033, 9845..10033, 9845..10042, 9845..10027, 9851..10039, 9854..10033, 9854..10042, 9854..10042, 9854..10033, 10280..10402, 10289..10402, 10292..10408, 10292..10402, 10292..10426, 10295..10438, 10406..10609, 10412..10912, 10412..10618, 10418..10609, 10418..10609, 10421..10609, 10427..10609, 10427..10678, 10631..10912, 10631..10912, 10631..10912, 10631..10909, 10631..10912, 10631..10888, 10631..10885, 10631..10894, 10631..10909, 10651..10893, 10954..11013, 11006..11380, 11054..11332, 11063..11332, 11066..11329, 11075..11326, 11075..11131, 11075..11329, 11078..11206, 11081..11329, 11090..11266, 11090..11329, 11138..11329, 11363..11431		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87540	Strand	-
Start	21084	End	21556
Name	OJ000303_25.0406.C8.o2.tm	Method	TBLASTX:Maize
Start	9107	End	11374
GI	none	Score	57
Exons	9107..9202, 9206..9334, 9614..9790, 9833..10024, 10292..10402, 10427..10609, 10646..10897, 10712..10912, 10810..10923, 10850..10912, 11006..11185, 11063..11368, 11066..11257, 11068..11370, 11069..11374		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87540	Strand	-
Start	21084	End	21556
Name	OJ000303_25.0406.C8.o2.tw	Method	TBLASTX:Wheat
Start	9602	End	11410
GI	none	Score	75
Exons	9602..9802, 10052..10267, 10280..10402, 10418..10609, 10640..10822, 11074..11334, 11075..11353, 11210..11329, 11366..11410		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87540	Strand	-
Start	21084	End	21556
Name	OJ000303_25.0406.C8.o2.ts	Method	TBLASTX:Soybean
Start	21073	End	21323
GI	none	Score	151
Exons	21073..21312, 21078..21323		

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87540	Strand	-
Start	21084	End	21556
Name	OJ000303_25.0406.C8.o3.np	Method	AAT/NAP
Start	21084	End	21556
GI	4544372	Score	188
Exons	21084..21556		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis		

thaliana]

Seq. No.	42125	Seq. ID	OJ000303_25.0406.C8
Gene No.	87540	Strand	-
Start	21084	End	21556
Name	OJ000303_25.0406.C8.o3.tw	Method	TBLASTX:Wheat
Start	21099	End	21506
GI	none	Score	75
Exons	21099..21506, 21133..21306		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87541	Strand	-
Start	20	End	2721
Name	OJ000303_25.0406.C9.o1.gs	Method	GENSCAN
Start	20	End	2432
GI	none	Score	.51
Exons	20..415, 527..1091, 1109..1633, 1907..2085, 2200..2432		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87541	Strand	-
Start	20	End	2721
Name	OJ000303_25.0406.C9.o1.np	Method	AAT/NAP
Start	495	End	2721
GI	7248394	Score	1661
Exons	495..1537, 1805..2721		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87542	Strand	-
Start	2681	End	3112
Name	OJ000303_25.0406.C9.o2.tw	Method	TBLASTX:Wheat
Start	190	End	588
GI	none	Score	68
Exons	190..459, 499..588		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87542	Strand	-
Start	2681	End	3112
Name	OJ000303_25.0406.C9.o1.ts	Method	TBLASTX:Soybean
Start	223	End	633
GI	none	Score	82
Exons	223..474, 308..475, 482..631, 496..633		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87542	Strand	-
Start	2681	End	3112
Name	OJ000303_25.0406.C9.o2.ts	Method	TBLASTX:Soybean
Start	784	End	1253
GI	none	Score	90
Exons	784..972, 797..928, 973..1092, 1056..1253, 1123..1215		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87542	Strand	-

Start	2681	End	3112
Name	OJ000303_25.0406.C9.o3.tw	Method	TBLASTX:Wheat
Start	871	End	1268
GI	none	Score	51
Exons	871..972, 1041..1268, 1074..1196, 1078..1245		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87542	Strand	-
Start	2681	End	3112
Name	OJ000303_25.0406.C9.o1.tm	Method	TBLASTX:Maize
Start	940	End	1400
GI	none	Score	87
Exons	940..1065, 941..1069, 1056..1400, 1069..1251, 1137..1253, 1312..1398, 1317..1400		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87542	Strand	-
Start	2681	End	3112
Name	OJ000303_25.0406.C9.o1.tw	Method	TBLASTX:Wheat
Start	1269	End	1674
GI	none	Score	91
Exons	1269..1622, 1312..1422, 1320..1613, 1474..1614, 1617..1673, 1627..1674		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87542	Strand	-
Start	2681	End	3112
Name	OJ000303_25.0406.C9.o2.tm	Method	TBLASTX:Maize
Start	1401	End	1619
GI	none	Score	127
Exons	1401..1619, 1474..1614		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87542	Strand	-
Start	2681	End	3112
Name	OJ000303_25.0406.C9.o3.ts	Method	TBLASTX:Soybean
Start	1470	End	1814
GI	none	Score	116
Exons	1470..1604, 1611..1814		

Seq. No.	42126	Seq. ID	OJ000303_25.0406.C9
Gene No.	87542	Strand	-
Start	2681	End	3112
Name	OJ000303_25.0406.C9.o2.gs	Method	GENSCAN
Start	2681	End	3112
GI	none	Score	.57
Exons	2681..3112		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87543	Strand	+
Start	6028	End	7572
Name	OJ000303_25.0406.C10.o3.np	Method	AAT/NAP
Start	6028	End	7572
GI	5921781	Score	943
Exons	6028..6205, 6572..7572		
GI Descrip.	CHALCONE SYNTHASE (NARINGENIN-CHALCONE SYNTHASE) gi|1944195|dbj|BAA19656.1| (AB002815) chalcone synthase [Perilla		

frutescens]

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87543	Strand	+
Start	6028	End	7572
Name	OJ000303_25.0406.C10.o2.gp	Method	AAT/GAP
Start	6540	End	6879
GI	LIB3434-016-P1-K1-D4	Score	607
Exons	6540..6879		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87544	Strand	+
Start	8909	End	20778
Name	OJ000303_25.0406.C10.o4.np	Method	AAT/NAP
Start	8909	End	12752
GI	4680203	Score	529
Exons	8909..9541, 12723..12752		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87544	Strand	+
Start	8909	End	20778
Name	OJ000303_25.0406.C10.o3.gs	Method	GENSCAN
Start	10343	End	20778
GI	none	Score	.48
Exons	10343..10476, 11564..11961, 12084..13003, 13078..14177, 14287..14460, 14557..14667, 14752..14824, 15097..15259, 17478..17606, 17720..17884, 20044..20088, 20319..20480, 20486..20778		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87544	Strand	+
Start	8909	End	20778
Name	OJ000303_25.0406.C10.o5.gp	Method	AAT/GAP
Start	10709	End	15514
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	10709..10772, 15471..15514		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87544	Strand	+
Start	8909	End	20778
Name	OJ000303_25.0406.C10.o5.np	Method	AAT/NAP
Start	11568	End	15264
GI	4680204	Score	984
Exons	11568..13003, 13078..14177, 14287..14460, 14557..14776, 15127..15264		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87544	Strand	+
Start	8909	End	20778
Name	OJ000303_25.0406.C10.o7.np	Method	AAT/NAP

Start	19112	End	20607
GI	7228450	Score	175
Exons	19112..19226, 20044..20131, 20271..20389, 20492..20607		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87545	Strand	-
Start	724	End	1909
Name	OJ000303_25.0406.C10.o1.gs	Method	GENSCAN
Start	724	End	1909
GI	none	Score	.7
Exons	724..1552, 1578..1909		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87545	Strand	-
Start	724	End	1909
Name	OJ000303_25.0406.C10.o1.np	Method	AAT/NAP
Start	970	End	1676
GI	7248393	Score	568
Exons	970..1339, 1379..1676		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87545	Strand	-
Start	724	End	1909
Name	OJ000303_25.0406.C10.o2.np	Method	AAT/NAP
Start	1732	End	1853
GI	7340868	Score	35
Exons	1732..1853		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87546	Strand	-
Start	6102	End	10178
Name	OJ000303_25.0406.C10.o4.gp	Method	AAT/GAP
Start	6102	End	10178
GI	342_1.R1084	Score	1024
Exons	6102..6176, 7804..7839, 9569..10178		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87547	Strand	-
Start	15601	End	15744
Name	OJ000303_25.0406.C10.o6.gp	Method	AAT/GAP
Start	15601	End	15744
GI	21474_1.R1084	Score	249
Exons	15601..15744		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87548	Strand	-
Start	20813	End	20892
Name	OJ000303_25.0406.C10.o1.tm	Method	TBLASTX:Maize
Start	6019	End	7571
GI	none	Score	149

Exons	6019..6207, 6573..6758, 6574..7254, 6585..7004, 6823..7065, 7201..7257, 7273..7563, 7374..7571		
Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87548	Strand	-
Start	20813	End	20892
Name	OJ000303_25.0406.C10.o1.tc	Method	TBLASTX:Cress
Start	6064	End	7565
GI	none	Score	130
Exons	6064..6207, 6574..7020, 6585..7007, 7078..7230, 7273..7563, 7374..7565		
Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87548	Strand	-
Start	20813	End	20892
Name	OJ000303_25.0406.C10.o1.ts	Method	TBLASTX:Soybean
Start	6070	End	7584
GI	none	Score	139
Exons	6070..6210, 6573..7001, 6574..7020, 6823..7044, 6881..7039, 7075..7263, 7273..7584, 7377..7565		
Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87548	Strand	-
Start	20813	End	20892
Name	OJ000303_25.0406.C10.o2.tw	Method	TBLASTX:Wheat
Start	9223	End	9539
GI	none	Score	98
Exons	9223..9345, 9260..9367, 9350..9430, 9358..9432, 9423..9539, 9432..9533		
Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87548	Strand	-
Start	20813	End	20892
Name	OJ000303_25.0406.C10.o1.tw	Method	TBLASTX:Wheat
Start	12346	End	12655
GI	none	Score	132
Exons	12346..12465, 12347..12478, 12482..12619, 12542..12616, 12623..12655		
Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87548	Strand	-
Start	20813	End	20892
Name	OJ000303_25.0406.C10.o3.tw	Method	TBLASTX:Wheat
Start	14104	End	14626
GI	none	Score	54
Exons	14104..14184, 14273..14455, 14323..14448, 14555..14626		
Seq. No.	42127	Seq. ID	OJ000303_25.0406.C10
Gene No.	87548	Strand	-
Start	20813	End	20892
Name	OJ000303_25.0406.C10.o8.np	Method	AAT/NAP
Start	20813	End	20892
GI	7523512	Score	121
Exons	20813..20892		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	42128	Seq. ID	OJ000303_25.0406.C11

Gene No.	87549	Strand	+
Start	54	End	3235
Name	OJ000303_25.0406.C11.o1.np	Method	AAT/NAP
Start	54	End	3235
GI	5042454	Score	1547
Exons	54..601, 1233..1780, 2614..2799, 3175..3235		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42128	Seq. ID	OJ000303_25.0406.C11
Gene No.	87550	Strand	+
Start	7294	End	7526
Name	OJ000303_25.0406.C11.o3.np	Method	AAT/NAP
Start	7294	End	7526
GI	6907088	Score	206
Exons	7294..7526		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42128	Seq. ID	OJ000303_25.0406.C11
Gene No.	87551	Strand	-
Start	1747	End	4098
Name	OJ000303_25.0406.C11.o2.np	Method	AAT/NAP
Start	1747	End	4098
GI	7106516	Score	136
Exons	1747..1767, 3938..4098		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	42128	Seq. ID	OJ000303_25.0406.C11
Gene No.	87552	Strand	-
Start	6740	End	7231
Name	OJ000303_25.0406.C11.o1.tm	Method	TBLASTX:Maize
Start	459	End	602
GI	none	Score	184
Exons	459..602, 464..598		

Seq. No.	42128	Seq. ID	OJ000303_25.0406.C11
Gene No.	87552	Strand	-
Start	6740	End	7231
Name	OJ000303_25.0406.C11.o1.tw	Method	TBLASTX:Wheat
Start	1584	End	1877
GI	none	Score	278
Exons	1584..1877, 1643..1876		

Seq. No.	42128	Seq. ID	OJ000303_25.0406.C11
Gene No.	87552	Strand	-
Start	6740	End	7231
Name	OJ000303_25.0406.C11.o2.gs	Method	GENSCAN
Start	6740	End	7231
GI	none	Score	.68
Exons	6740..6801, 7222..7231		

Seq. No.	42129	Seq. ID	OJ000303_25.0406.C12
Gene No.	87553	Strand	-
Start	6057	End	6395
Name	OJ000303_25.0406.C12.o2.gs	Method	GENSCAN
Start	6057	End	6395
GI	none	Score	.77
Exons	6057..6160, 6266..6395		

Seq. No.	42129	Seq. ID	OJ000303_25.0406.C12
Gene No.	87554	Strand	-
Start	6711	End	8227
Name	OJ000303_25.0406.C12.o1.np	Method	AAT/NAP
Start	6711	End	8227
GI	7248395	Score	1365
Exons	6711..7252, 7387..8227		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	42129	Seq. ID	OJ000303_25.0406.C12
Gene No.	87554	Strand	-
Start	6711	End	8227
Name	OJ000303_25.0406.C12.o3.gs	Method	GENSCAN
Start	6978	End	8151
GI	none	Score	.73
Exons	6978..7193, 7357..7593, 7729..8151		

Seq. No.	42130	Seq. ID	OJ000303_25.0406.C13
Gene No.	87555	Strand	+
Start	6092	End	6551
Name	OJ000303_25.0406.C13.o2.np	Method	AAT/NAP
Start	6092	End	6551
GI	5739323	Score	293
Exons	6092..6551		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	42130	Seq. ID	OJ000303_25.0406.C13
Gene No.	87556	Strand	-
Start	1	End	3900
Name	OJ000303_25.0406.C13.o1.np	Method	AAT/NAP
Start	1	End	3900
GI	7106512	Score	984
Exons	1..522, 1250..1698, 3878..3900		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42130	Seq. ID	OJ000303_25.0406.C13
Gene No.	87556	Strand	-
Start	1	End	3900
Name	OJ000303_25.0406.C13.o2.gp	Method	AAT/GAP
Start	3008	End	3436
GI	3107353	Score	789
Exons	3008..3436		

Seq. No.	42131	Seq. ID	OJ000303_25.0406.C14
Gene No.	87557	Strand	+
Start	312	End	4191
Name	OJ000303_25.0406.C14.o1.tc	Method	TBLASTX:Cress
Start	177	End	4190
GI	none	Score	52
Exons	177..269, 303..413, 363..416, 408..599, 414..632, 426..548, 429..623, 447..632, 476..634, 498..611, 501..644, 627..995, 630..1049, 633..908, 635..904, 642..1049, 651..1049, 657..1049, 714..890, 714..1049, 753..1049, 996..1049, 2749..2880, 2749..2880, 2749..2880, 2749..2853, 2749..2880, 2749..2883,		

2749..2880, 2749..2883, 2752..2880, 2755..2880, 2926..2985, 3401..3592, 3449..3601, 3476..3592, 4047..4187, 4050..4190, 4056..4187, 4065..4184, 4065..4175, 4080..4178

Seq. No.	42131	Seq. ID	OJ000303_25.0406.C14
Gene No.	87557	Strand	+
Start	312	End	4191
Name	OJ000303_25.0406.C14.o1.ts	Method	TBLASTX:Soybean
Start	306	End	4187
GI	none	Score	41

Exons 306..362, 306..416, 369..440, 426..620, 426..641, 426..620, 429..620, 501..632, 618..974, 618..1058, 633..1049, 633..1049, 633..1049, 657..764, 662..1060, 818..838, 962..988, 2749..2883, 2752..2883, 3160..3300, 3172..3297, 3395..3451, 3401..3448, 3401..3448, 3449..3592, 3449..3592, 3473..3592, 3473..3601, 3485..3592, 3590..3673, 3851..3910, 4050..4187, 4050..4175, 4050..4172, 4055..4186, 4065..4175

Seq. No.	42131	Seq. ID	OJ000303_25.0406.C14
Gene No.	87557	Strand	+
Start	312	End	4191
Name	OJ000303_25.0406.C14.o1.gs	Method	GENSCAN
Start	312	End	3378
GI	none	Score	.63

Exons 312..605, 1618..1691, 1962..2093, 2391..3378

Seq. No.	42131	Seq. ID	OJ000303_25.0406.C14
Gene No.	87557	Strand	+
Start	312	End	4191
Name	OJ000303_25.0406.C14.o1.tm	Method	TBLASTX:Maize
Start	328	End	4187
GI	none	Score	38

Exons 328..381, 363..443, 426..620, 438..620, 438..632, 513..569, 585..1049, 633..1049, 651..1031, 2749..2871, 2752..2880, 3160..3300, 3401..3448, 3449..3601, 3449..3595, 3476..3577, 3476..3592, 3476..3592, 3485..3598, 4050..4187

Seq. No.	42131	Seq. ID	OJ000303_25.0406.C14
Gene No.	87557	Strand	+
Start	312	End	4191
Name	OJ000303_25.0406.C14.o1.np	Method	AAT/NAP
Start	2330	End	4191
GI	5739323	Score	848

Exons 2330..2403, 2433..3899, 4042..4191

GI Descrip. (AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]

Seq. No.	42132	Seq. ID	OJ000303_25.0406.C15
Gene No.	87558	Strand	+
Start	1	End	399
Name	OJ000303_25.0406.C15.o1.np	Method	AAT/NAP
Start	1	End	399
GI	5739323	Score	364

Exons 1..399

GI Descrip. (AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]

Seq. No.	42133	Seq. ID	OJ000303_25.0406.C16
Gene No.	87559	Strand	+
Start	6780	End	8829
Name	OJ000303_25.0406.C16.o2.np	Method	AAT/NAP
Start	6780	End	8806
GI	5739323	Score	1032
Exons	6780..7064, 7113..8035, 8183..8806		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	42133	Seq. ID	OJ000303_25.0406.C16
Gene No.	87559	Strand	+
Start	6780	End	8829
Name	OJ000303_25.0406.C16.o2.gp	Method	AAT/GAP
Start	8404	End	8829
GI	LIB3474-012-P1-K1-C10	Score	813
Exons	8404..8829		
GI Descrip.	'1076763/pir||S49302 2.0e-17 AWJL218 protein - wheat >gi_551212_emb_CAA57134_ (X81369) AWJL218 [Triticum aestivum]'		

Seq. No.	42133	Seq. ID	OJ000303_25.0406.C16
Gene No.	87560	Strand	+
Start	9727	End	13934
Name	OJ000303_25.0406.C16.o3.np	Method	AAT/NAP
Start	9727	End	13934
GI	4680341	Score	428
Exons	9727..9767, 11452..11608, 11667..12024, 12295..12369, 13846..13934		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	42133	Seq. ID	OJ000303_25.0406.C16
Gene No.	87560	Strand	+
Start	9727	End	13934
Name	OJ000303_25.0406.C16.o3.gp	Method	AAT/GAP
Start	11025	End	11256
GI	51286_1.R1084	Score	338
Exons	11025..11256		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-69 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	42133	Seq. ID	OJ000303_25.0406.C16
Gene No.	87561	Strand	-
Start	332	End	4221
Name	OJ000303_25.0406.C16.o1.gs	Method	GENSCAN
Start	332	End	4221
GI	none	Score	.61
Exons	332..395, 461..704, 2325..2581, 2612..3083, 4140..4221		

Seq. No.	42133	Seq. ID	OJ000303_25.0406.C16
Gene No.	87561	Strand	-
Start	332	End	4221
Name	OJ000303_25.0406.C16.o1.np	Method	AAT/NAP
Start	1166	End	4160
GI	5852179	Score	334
Exons	1166..1207, 2596..2853, 2928..3149, 4140..4160		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	42133	Seq. ID	OJ000303_25.0406.C16
Gene No.	87562	Strand	-
Start	11872	End	14666
Name	OJ000303_25.0406.C16.o3.gs	Method	GENSCAN
Start	11872	End	14666
GI	none	Score	.75
Exons	11872..11950, 12885..13244, 13507..13768, 14386..14502, 14579..14666		

Seq. No.	42134	Seq. ID	OJ000303_25.0406.C17
Gene No.	87563	Strand	+
Start	1385	End	5410
Name	OJ000303_25.0406.C17.o1.gs	Method	GENSCAN
Start	1385	End	5099
GI	none	Score	.74
Exons	1385..1413, 2787..3021, 3094..3225, 3304..3376, 5026..5099		

Seq. No.	42134	Seq. ID	OJ000303_25.0406.C17
Gene No.	87563	Strand	+
Start	1385	End	5410
Name	OJ000303_25.0406.C17.o1.gp	Method	AAT/GAP
Start	4893	End	5410
GI	38782_1.R1084	Score	813
Exons	4893..5410		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42134	Seq. ID	OJ000303_25.0406.C17
Gene No.	87564	Strand	+
Start	6364	End	6944
Name	OJ000303_25.0406.C17.o2.gs	Method	GENSCAN
Start	6364	End	6944
GI	none	Score	.42
Exons	6364..6437, 6812..6944		

Seq. No.	42134	Seq. ID	OJ000303_25.0406.C17
Gene No.	87565	Strand	+
Start	8133	End	8606
Name	OJ000303_25.0406.C17.o3.gs	Method	GENSCAN
Start	8133	End	8606
GI	none	Score	.48
Exons	8133..8606		

Seq. No.	42134	Seq. ID	OJ000303_25.0406.C17
Gene No.	87566	Strand	+
Start	10000	End	12844
Name	OJ000303_25.0406.C17.o2.np	Method	AAT/NAP
Start	9994	End	12844
GI	5739323	Score	1064
Exons	9994..11218, 11369..12114, 12821..12844		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	42134	Seq. ID	OJ000303_25.0406.C17
Gene No.	87566	Strand	+
Start	10000	End	12844
Name	OJ000303_25.0406.C17.o4.gs	Method	GENSCAN

Start	10000	End	11937
GI	none	Score	.49
Exons	10000..10441, 10457..10522, 11675..11937		

Seq. No.	42134	Seq. ID	OJ000303_25.0406.C17
Gene No.	87567	Strand	-
Start	1812	End	3481
Name	OJ000303_25.0406.C17.o1.np	Method	AAT/NAP
Start	1812	End	3481
GI	6983857	Score	1339
Exons	1812..2207, 2238..3299, 3362..3481		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	42134	Seq. ID	OJ000303_25.0406.C17
Gene No.	87568	Strand	
Start	10153	End	12090
Name	OJ000303_25.0406.C17.o1.tc	Method	TBLASTX:Cress
Start	10153	End	12075
GI	none	Score	34
Exons	10153..10179, 10309..10440, 10384..10515, 10501..10602, 10708..10956, 10786..10953, 10792..10932, 11014..11214, 11017..11220, 11017..11220, 11020..11217, 11023..11211, 11023..11217, 11023..11253, 11044..11220, 11065..11211, 11085..11207, 11344..11436, 11530..11580, 11593..11802, 11638..11802, 11668..11826, 11671..11859, 11680..11781, 11680..12012, 11788..12012, 11800..12075, 11800..12075, 11800..11931, 11803..12075, 11803..11991, 11812..12075, 11827..12075, 11836..12075, 11889..12065, 11910..12068, 11923..12075		

Seq. No.	42134	Seq. ID	OJ000303_25.0406.C17
Gene No.	87568	Strand	
Start	10153	End	12090
Name	OJ000303_25.0406.C17.o1.ts	Method	TBLASTX:Soybean
Start	10297	End	12090
GI	none	Score	58
Exons	10297..10380, 10384..10599, 10639..10746, 10654..10956, 10777..10956, 10783..10956, 10936..11202, 11017..11139, 11017..11211, 11023..11259, 11590..11736, 11680..11769, 11803..11928, 11803..12075, 11803..12012, 11806..12090		

Seq. No.	42134	Seq. ID	OJ000303_25.0406.C17
Gene No.	87568	Strand	
Start	10153	End	12090
Name	OJ000303_25.0406.C17.o1.tm	Method	TBLASTX:Maize
Start	10708	End	12012
GI	none	Score	48
Exons	10708..10752, 10786..10956, 11032..11079, 11680..12012		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87569	Strand	+
Start	4308	End	4478
Name	OJ000303_25.0406.C18.o2.gs	Method	GENSCAN
Start	4308	End	4478
GI	none	Score	.51
Exons	4308..4478		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87570	Strand	+
Start	7878	End	8521
Name	OJ000303_25.0406.C18.o1.gp	Method	AAT/GAP
Start	7816	End	8521
GI	3767224	Score	1295
Exons	7816..8521		
GI Descrip.	5690431/gb|AAD47084.1|AF165883_1 3.0e-26 (AF165883) prefoldin subunit 2 [Homo sapiens]		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87570	Strand	+
Start	7878	End	8521
Name	OJ000303_25.0406.C18.o2.np	Method	AAT/NAP
Start	7854	End	8306
GI	6563248	Score	283
Exons	7854..8306		
GI Descrip.	(AF117237) prefoldin subunit 2 [Homo sapiens]		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87570	Strand	+
Start	7878	End	8521
Name	OJ000303_25.0406.C18.o4.gs	Method	GENSCAN
Start	7878	End	8321
GI	none	Score	.98
Exons	7878..8321		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87571	Strand	+
Start	9203	End	12255
Name	OJ000303_25.0406.C18.o5.gs	Method	GENSCAN
Start	9203	End	12255
GI	none	Score	.92
Exons	9203..9406, 9912..10343, 10905..11044, 11134..11254, 11963..12103, 12172..12255		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87571	Strand	+
Start	9203	End	12255
Name	OJ000303_25.0406.C18.o2.gp	Method	AAT/GAP
Start	11121	End	12103
GI	uC-osflcyp067d10a1	Score	499
Exons	11121..11254, 11963..12103		
GI Descrip.	'2988398 4.0e-12 (AC004381) Unknown gene product [Homo sapiens]'		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87572	Strand	-
Start	1	End	2966
Name	OJ000303_25.0406.C18.o1.np	Method	AAT/NAP
Start	1	End	2936
GI	4006866	Score	489
Exons	1..60, 213..398, 1025..1113, 1403..1693, 2585..2936		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana] gi|7270660|emb|CAB80377.1| (AL161590) putative protein [Arabidopsis thaliana]		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18

Gene No.	87572	Strand	-
Start	1	End	2966
Name	OJ000303_25.0406.C18.o1.gs	Method	GENSCAN
Start	269	End	2966
GI	none	Score	.41
Exons	269..398, 1486..1676, 2839..2966		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87573	Strand	-
Start	4968	End	7196
Name	OJ000303_25.0406.C18.o3.gs	Method	GENSCAN
Start	4968	End	7196
GI	none	Score	.62
Exons	4968..5099, 5182..5397, 5433..5560, 6344..6592, 7103..7196		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o2.tm	Method	TBLASTX:Maize
Start	16	End	1468
GI	none	Score	149
Exons	16..66, 259..399, 263..400, 264..401, 1018..1110, 1019..1108, 1022..1126, 1024..1110, 1436..1468		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o2.tc	Method	TBLASTX:Cress
Start	302	End	1678
GI	none	Score	64
Exons	302..391, 303..386, 1004..1069, 1018..1062, 1069..1110, 1436..1582, 1471..1578, 1643..1678		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o1.tm	Method	TBLASTX:Maize
Start	7842	End	8329
GI	none	Score	599
Exons	7842..8177, 7845..8276, 7870..8217, 8247..8324, 8256..8318, 8285..8329, 8291..8329		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o1.ts	Method	TBLASTX:Soybean
Start	7854	End	8315
GI	none	Score	485
Exons	7854..8276, 7902..8150, 8012..8158, 8256..8315, 8256..8309, 8282..8314		

Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o1.tc	Method	TBLASTX:Cress
Start	7881	End	8234
GI	none	Score	239

Exons	7881..8120, 8012..8116, 8103..8234, 8105..8152, 8131..8193		
Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o2.ts	Method	TBLASTX:Soybean
Start	9275	End	11191
GI	none	Score	41
Exons	9275..9304, 9299..9406, 9301..9405, 9912..9953, 9939..10001, 10902..11048, 10904..11050, 11129..11191, 11131..11190		
Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o1.tw	Method	TBLASTX:Wheat
Start	9925	End	10290
GI	none	Score	50
Exons	9925..10275, 9926..9997, 9930..10265, 10030..10266, 10061..10267, 10095..10265, 10227..10265, 10243..10278, 10264..10290		
Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o4.tm	Method	TBLASTX:Maize
Start	10062	End	10320
GI	none	Score	194
Exons	10062..10271, 10069..10320, 10093..10314		
Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o3.tc	Method	TBLASTX:Cress
Start	10898	End	11055
GI	none	Score	182
Exons	10898..11047, 10902..11048, 10924..11055, 10932..11054		
Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o3.tm	Method	TBLASTX:Maize
Start	10908	End	12132
GI	none	Score	113
Exons	10908..11015, 10910..11014, 11131..11244, 11132..11254, 11943..12095, 11960..12103, 11960..12103, 11962..12132		
Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244
Name	OJ000303_25.0406.C18.o3.ts	Method	TBLASTX:Soybean
Start	11192	End	12117
GI	none	Score	62
Exons	11192..11254, 11960..12103, 11960..12061, 11962..12117		
Seq. No.	42135	Seq. ID	OJ000303_25.0406.C18
Gene No.	87574	Strand	-
Start	16136	End	16244

Name	OJ000303_25.0406.C18.o3.gp	Method	AAT/GAP
Start	16136	End	16244
GI	none	Score	161
Exons	16136..16244		

Seq. No.	42136	Seq. ID	OJ000303_25.0406.C19
Gene No.	87575	Strand	+
Start	449	End	561
Name	OJ000303_25.0406.C19.o1.gs	Method	GENSCAN
Start	449	End	561
GI	none	Score	.81
Exons	449..561		

Seq. No.	42137	Seq. ID	OJ000303_23.0404.C1
Gene No.	87576	Strand	+
Start	1	End	2561
Name	OJ000303_23.0404.C1.o1.np	Method	AAT/NAP
Start	1	End	2561
GI	6598711	Score	213
Exons	1..69, 894..1512, 2371..2561		
GI Descrip.	(AC007197) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	42137	Seq. ID	OJ000303_23.0404.C1
Gene No.	87576	Strand	+
Start	1	End	2561
Name	OJ000303_23.0404.C1.o1.tm	Method	TBLASTX:Maize
Start	1602	End	1891
GI	none	Score	189
Exons	1602..1688, 1640..1891, 1727..1864		

Seq. No.	42138	Seq. ID	OJ000303_23.0404.C2
Gene No.	87577	Strand	+
Start	3309	End	6864
Name	OJ000303_23.0404.C2.o1.gs	Method	GENSCAN
Start	3309	End	6864
GI	none	Score	.49
Exons	3309..3317, 4593..4728, 6497..6864		

Seq. No.	42139	Seq. ID	OJ000303_23.0404.C3
Gene No.	87578	Strand	+
Start	1	End	652
Name	OJ000303_23.0404.C3.o2.np	Method	AAT/NAP
Start	1	End	652
GI	7339707	Score	128
Exons	1..318, 359..425, 503..652		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42139	Seq. ID	OJ000303_23.0404.C3
Gene No.	87579	Strand	+
Start	785	End	2304
Name	OJ000303_23.0404.C3.o2.gs	Method	GENSCAN
Start	785	End	2304
GI	none	Score	.68
Exons	785..923, 944..1050, 1800..2040, 2155..2304		

Seq. No.	42139	Seq. ID	OJ000303_23.0404.C3

Gene No.	87580	Strand	-
Start	1	End	339
Name	OJ000303_23.0404.C3.o1.np	Method	AAT/NAP
Start	1	End	339
GI	7487002	Score	167
Exons	1..339		
GI Descrip.	hypothetical protein T14N5.5 - Arabidopsis thaliana gi|3540201|gb|AAC34351.1| (AC004260) Putative nuclear protein [Arabidopsis thaliana]		

Seq. No.	42139	Seq. ID	OJ000303_23.0404.C3
Gene No.	87580	Strand	-
Start	1	End	339
Name	OJ000303_23.0404.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	189
GI	none	Score	280
Exons	1..189, 2..181		

Seq. No.	42139	Seq. ID	OJ000303_23.0404.C3
Gene No.	87580	Strand	-
Start	1	End	339
Name	OJ000303_23.0404.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	201
GI	none	Score	67
Exons	1..66, 1..105, 8..103, 91..177, 91..201, 95..181		

Seq. No.	42139	Seq. ID	OJ000303_23.0404.C3
Gene No.	87580	Strand	-
Start	1	End	339
Name	OJ000303_23.0404.C3.o1.gs	Method	GENSCAN
Start	16	End	258
GI	none	Score	.98
Exons	16..258		

Seq. No.	42140	Seq. ID	OJ000303_23.0404.C4
Gene No.	87581	Strand	+
Start	1765	End	6422
Name	OJ000303_23.0404.C4.o1.gp	Method	AAT/GAP
Start	1727	End	3514
GI	63217_1.R1084	Score	1404
Exons	1727..2038, 3101..3514		
GI Descrip.	'3068705 8.0e-15 (AF049236) unknown [Arabidopsis thaliana]'		

Seq. No.	42140	Seq. ID	OJ000303_23.0404.C4
Gene No.	87581	Strand	+
Start	1765	End	6422
Name	OJ000303_23.0404.C4.o2.gs	Method	GENSCAN
Start	1765	End	3333
GI	none	Score	.9
Exons	1765..2038, 3101..3333		

Seq. No.	42140	Seq. ID	OJ000303_23.0404.C4
Gene No.	87581	Strand	+
Start	1765	End	6422
Name	OJ000303_23.0404.C4.o1.np	Method	AAT/NAP
Start	1816	End	6422
GI	6983875	Score	141

Exons	1816..2038, 3101..3267, 6308..6422		
GI Descrip.	(AP001168) ESTs AU082174(S13676),AU032395(R3986) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana hypothetical protein (AF049236) [Oryza sativa]		
Seq. No.	42140	Seq. ID	OJ000303_23.0404.C4
Gene No.	87582	Strand	-
Start	4928	End	6165
Name	OJ000303_23.0404.C4.o1.tm	Method	TBLASTX:Maize
Start	1924	End	3273
GI	none	Score	40
Exons	1924..1947, 1963..2061, 3098..3181, 3103..3273, 3166..3273		
Seq. No.	42140	Seq. ID	OJ000303_23.0404.C4
Gene No.	87582	Strand	-
Start	4928	End	6165
Name	OJ000303_23.0404.C4.o3.gs	Method	GENSCAN
Start	4928	End	6165
GI	none	Score	.77
Exons	4928..5084, 5327..5532, 6115..6165		
Seq. No.	42141	Seq. ID	OJ000303_23.0404.C5
Gene No.	87583	Strand	-
Start	164	End	2186
Name	OJ000303_23.0404.C5.o1.gs	Method	GENSCAN
Start	164	End	2186
GI	none	Score	.51
Exons	164..305, 1781..1960, 2117..2186		
Seq. No.	42141	Seq. ID	OJ000303_23.0404.C5
Gene No.	87583	Strand	-
Start	164	End	2186
Name	OJ000303_23.0404.C5.o1.np	Method	AAT/NAP
Start	2005	End	2151
GI	7340920	Score	142
Exons	2005..2151		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	42141	Seq. ID	OJ000303_23.0404.C5
Gene No.	87584	Strand	-
Start	2752	End	2836
Name	OJ000303_23.0404.C5.o2.np	Method	AAT/NAP
Start	2752	End	2836
GI	6006359	Score	45
Exons	2752..2836		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	42142	Seq. ID	OJ000303_23.0404.C6
Gene No.	87585	Strand	+
Start	1	End	127
Name	OJ000303_23.0404.C6.o1.np	Method	AAT/NAP
Start	1	End	127
GI	7340920	Score	156
Exons	1..127		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	42142	Seq. ID	OJ000303_23.0404.C6

Gene No.	87586	Strand	+
Start	868	End	1857
Name	OJ000303_23.0404.C6.o2.np	Method	AAT/NAP
Start	868	End	1857
GI	7487273	Score	136
Exons	868..961, 1553..1661, 1700..1857		
GI Descrip.	hypothetical protein T20K18.30 - Arabidopsis thaliana gi|4586244|emb|CAB40985.1| (AL049640) putative protein [Arabidopsis thaliana] gi|7267969|emb|CAB78310.1| (AL161534) putative protein [Arabidopsis thaliana]		

Seq. No.	42143	Seq. ID	OJ000303_23.0404.C7
Gene No.	87587	Strand	+
Start	350	End	453
Name	OJ000303_23.0404.C7.o1.gs	Method	GENSCAN
Start	350	End	453
GI	none	Score	.65
Exons	350..453		

Seq. No.	42143	Seq. ID	OJ000303_23.0404.C7
Gene No.	87588	Strand	-
Start	2783	End	4388
Name	OJ000303_23.0404.C7.o2.gs	Method	GENSCAN
Start	2783	End	4316
GI	none	Score	.49
Exons	2783..2849, 4249..4316		

Seq. No.	42143	Seq. ID	OJ000303_23.0404.C7
Gene No.	87588	Strand	-
Start	2783	End	4388
Name	OJ000303_23.0404.C7.o1.np	Method	AAT/NAP
Start	3670	End	4388
GI	7485973	Score	170
Exons	3670..3750, 3835..3907, 4249..4388		
GI Descrip.	hypothetical protein F22K18.50 - Arabidopsis thaliana gi|4220515|emb|CAA22988.1| (AL035356) putative protein [Arabidopsis thaliana] gi|7269326|emb|CAB79385.1| (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	42144	Seq. ID	OJ000303_23.0404.C8
Gene No.	87589	Strand	-
Start	1	End	2087
Name	OJ000303_23.0404.C8.o1.np	Method	AAT/NAP
Start	1	End	2087
GI	7485973	Score	249
Exons	1..111, 462..515, 910..1006, 1116..1223, 1387..1455, 2058..2087		
GI Descrip.	hypothetical protein F22K18.50 - Arabidopsis thaliana gi|4220515|emb|CAA22988.1| (AL035356) putative protein [Arabidopsis thaliana] gi|7269326|emb|CAB79385.1| (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	42144	Seq. ID	OJ000303_23.0404.C8
Gene No.	87589	Strand	-
Start	1	End	2087
Name	OJ000303_23.0404.C8.o1.gs	Method	GENSCAN
Start	59	End	1731
GI	none	Score	.91

Exons	59..177, 424..515, 910..1006, 1387..1503, 1603..1731		
Seq. No.	42144	Seq. ID	OJ000303_23.0404.C8
Gene No.	87589	Strand	-
Start	1	End	2087
Name	OJ000303_23.0404.C8.o1.tc	Method	TBLASTX:Cress
Start	908	End	1223
GI	none	Score	53
Exons	908..1006, 911..1009, 1116..1220, 1116..1223, 1123..1221		
Seq. No.	42144	Seq. ID	OJ000303_23.0404.C8
Gene No.	87589	Strand	-
Start	1	End	2087
Name	OJ000303_23.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	939	End	1506
GI	none	Score	96
Exons	939..1007, 941..1009, 941..1006, 945..1007, 946..1008, 1098..1223, 1112..1195, 1116..1223, 1117..1224, 1384..1425, 1480..1506		
Seq. No.	42145	Seq. ID	OJ000303_23.0404.C9
Gene No.	87590	Strand	+
Start	1696	End	1975
Name	OJ000303_23.0404.C9.o1.gp	Method	AAT/GAP
Start	1696	End	1975
GI	4714099	Score	501
Exons	1696..1975		
Seq. No.	42145	Seq. ID	OJ000303_23.0404.C9
Gene No.	87591	Strand	-
Start	319	End	3406
Name	OJ000303_23.0404.C9.o1.gs	Method	GENSCAN
Start	319	End	3180
GI	none	Score	.69
Exons	319..469, 2082..2339, 2392..2423, 3052..3180		
Seq. No.	42145	Seq. ID	OJ000303_23.0404.C9
Gene No.	87591	Strand	-
Start	319	End	3406
Name	OJ000303_23.0404.C9.o1.np	Method	AAT/NAP
Start	2027	End	3406
GI	7512646	Score	136
Exons	2027..2146, 2208..2299, 2392..2514, 3039..3163, 3364..3406		
GI Descrip.	hypothetical protein DKFZp434L108.1 - human (fragment) gi|5912145|emb|CAB56006.1| (AL117584) hypothetical protein [Homo sapiens]		
Seq. No.	42145	Seq. ID	OJ000303_23.0404.C9
Gene No.	87591	Strand	-
Start	319	End	3406
Name	OJ000303_23.0404.C9.o1.tm	Method	TBLASTX:Maize
Start	2162	End	3178
GI	none	Score	193
Exons	2162..2305, 2163..2297, 2389..2517, 2393..2518, 2449..2520, 3032..3178, 3052..3177		
Seq. No.	42146	Seq. ID	OJ000303_23.0404.C10

Gene No.	87592	Strand	+
Start	5997	End	7442
Name	OJ000303_23.0404.C10.o2.gs	Method	GENSCAN
Start	5997	End	7433
GI	none	Score	.76
Exons	5997..6649, 6754..7196, 7268..7433		

Seq. No.	42146	Seq. ID	OJ000303_23.0404.C10
Gene No.	87592	Strand	+
Start	5997	End	7442
Name	OJ000303_23.0404.C10.o2.np	Method	AAT/NAP
Start	6063	End	7442
GI	4850396	Score	1050
Exons	6063..7199, 7292..7442		
GI Descrip.	(AC007357) F3F19.15 [Arabidopsis thaliana]		

Seq. No.	42146	Seq. ID	OJ000303_23.0404.C10
Gene No.	87593	Strand	-
Start	1	End	3824
Name	OJ000303_23.0404.C10.o1.np	Method	AAT/NAP
Start	1	End	2841
GI	4850395	Score	226
Exons	1..32, 584..707, 1011..1182, 2225..2384, 2805..2841		
GI Descrip.	(AC007357) EST gb|N37870 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	42146	Seq. ID	OJ000303_23.0404.C10
Gene No.	87593	Strand	-
Start	1	End	3824
Name	OJ000303_23.0404.C10.o1.gs	Method	GENSCAN
Start	515	End	3824
GI	none	Score	.96
Exons	515..701, 1011..1182, 2225..2373, 3003..3126, 3261..3416, 3526..3672, 3766..3824		

Seq. No.	42146	Seq. ID	OJ000303_23.0404.C10
Gene No.	87594	Strand	-
Start	3872	End	4157
Name	OJ000303_23.0404.C10.o1.tm	Method	TBLASTX:Maize
Start	1011	End	3122
GI	none	Score	42
Exons	1011..1040, 1011..1181, 1012..1185, 1012..1182, 1112..1183, 1116..1187, 2199..2375, 2224..2379, 2225..2377, 2994..3113, 3003..3122		

Seq. No.	42146	Seq. ID	OJ000303_23.0404.C10
Gene No.	87594	Strand	-
Start	3872	End	4157
Name	OJ000303_23.0404.C10.o1.tw	Method	TBLASTX:Wheat
Start	2249	End	3308
GI	none	Score	176
Exons	2249..2377, 2249..2362, 2250..2375, 2251..2379, 2994..3119, 3002..3121, 3003..3119, 3043..3120, 3261..3308, 3266..3307		

Seq. No.	42146	Seq. ID	OJ000303_23.0404.C10
Gene No.	87594	Strand	-
Start	3872	End	4157

Name	OJ000303_23.0404.C10.o2.tm	Method	TBLASTX:Maize
Start	3249	End	3675
GI	none	Score	57
Exons	3249..3314, 3370..3393, 3525..3671, 3529..3675		

Seq. No.	42146	Seq. ID	OJ000303_23.0404.C10
Gene No.	87594	Strand	-
Start	3872	End	4157
Name	OJ000303_23.0404.C10.o1.gp	Method	AAT/GAP
Start	3872	End	4157
GI	none	Score	517
Exons	3872..4157		

Seq. No.	42146	Seq. ID	OJ000303_23.0404.C10
Gene No.	87595	Strand	
Start	6116	End	6280
Name	OJ000303_23.0404.C10.o2.ts	Method	TBLASTX:Soybean
Start	6116	End	6280
GI	none	Score	205
Exons	6116..6280, 6117..6278		

Seq. No.	42146	Seq. ID	OJ000303_23.0404.C10
Gene No.	87596	Strand	
Start	6294	End	6742
Name	OJ000303_23.0404.C10.o1.ts	Method	TBLASTX:Soybean
Start	6294	End	6742
GI	4397405	Score	400
Exons	6294..6446, 6356..6670, 6357..6671, 6689..6742		
GI Descrip.	-		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87597	Strand	+
Start	1	End	6015
Name	OJ000303_23.0404.C11.o2.np	Method	AAT/NAP
Start	1	End	3349
GI	7489805	Score	109
Exons	1..81, 3215..3349		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87597	Strand	+
Start	1	End	6015
Name	OJ000303_23.0404.C11.o1.gs	Method	GENSCAN
Start	71	End	380
GI	none	Score	.98
Exons	71..380		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87597	Strand	+
Start	1	End	6015
Name	OJ000303_23.0404.C11.o1.np	Method	AAT/NAP
Start	1991	End	6015
GI	4680183	Score	1898
Exons	1991..3216, 5994..6015		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87597	Strand	+
Start	1	End	6015
Name	OJ000303_23.0404.C11.o2.gs	Method	GENSCAN
Start	1991	End	3352
GI	none	Score	1
Exons	1991..3352		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87598	Strand	+
Start	7900	End	8047
Name	OJ000303_23.0404.C11.o1.gp	Method	AAT/GAP
Start	7900	End	8047
GI	uC-osflcyp177g01a1	Score	239
Exons	7900..8047		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87599	Strand	+
Start	9899	End	10549
Name	OJ000303_23.0404.C11.o2.gp	Method	AAT/GAP
Start	9899	End	10549
GI	3762453	Score	1100
Exons	9899..10549		
GI Descrip.	2213615 4.0e-25 (AC000103) F21J9.9 [Arabidopsis thaliana]		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87600	Strand	+
Start	12559	End	15245
Name	OJ000303_23.0404.C11.o5.gs	Method	GENSCAN
Start	12559	End	15245
GI	none	Score	.42
Exons	12559..12598, 14128..14293, 14454..14658, 14663..14988, 15035..15245		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87601	Strand	-
Start	3668	End	6609
Name	OJ000303_23.0404.C11.o3.gs	Method	GENSCAN
Start	3668	End	6609
GI	none	Score	.71
Exons	3668..4008, 4075..4116, 4189..4293, 4366..4555, 4632..4819, 4894..5270, 5352..5527, 5725..6609		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87601	Strand	-
Start	3668	End	6609
Name	OJ000303_23.0404.C11.o3.np	Method	AAT/NAP
Start	3671	End	6609
GI	6691716	Score	2276
Exons	3671..4116, 4189..4305, 4456..4555, 4632..4835, 5006..5270, 5352..5527, 5725..6609		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87602	Strand	-
Start	9523	End	11234
Name	OJ000303_23.0404.C11.o4.gs	Method	GENSCAN
Start	9523	End	11163
GI	none	Score	.9
Exons	9523..10473, 10582..11163		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87602	Strand	-
Start	9523	End	11234
Name	OJ000303_23.0404.C11.o4.np	Method	AAT/NAP
Start	9634	End	11142
GI	2213615	Score	1214
Exons	9634..11142		
GI Descrip.	(AC000103) F21J9.9 [Arabidopsis thaliana]		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87602	Strand	-
Start	9523	End	11234
Name	OJ000303_23.0404.C11.o3.gp	Method	AAT/GAP
Start	10935	End	11234
GI	2431507	Score	546
Exons	10935..11234		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o2.tw	Method	TBLASTX:Wheat
Start	6199	End	6489
GI	none	Score	211
Exons	6199..6489		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o1.tc	Method	TBLASTX:Cress
Start	9650	End	10866
GI	none	Score	105
Exons	9650..9832, 9655..9864, 9868..9993, 9872..9994, 9995..10252, 10009..10080, 10105..10233, 10381..10866		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o1.tm	Method	TBLASTX:Maize
Start	9655	End	10195
GI	none	Score	148
Exons	9655..9846, 9847..10089, 9848..10090, 9950..10195, 10105..10164		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o1.tw	Method	TBLASTX:Wheat
Start	9718	End	10069
GI	none	Score	155
Exons	9718..9843, 9853..10062, 9866..10069		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o1.ts	Method	TBLASTX:Soybean
Start	9721	End	10866
GI	none	Score	115
Exons	9721..9843, 9853..10086, 9854..10078, 10091..10222, 10105..10269, 10381..10434, 10447..10596, 10448..10540, 10606..10866		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o2.tm	Method	TBLASTX:Maize
Start	10381	End	11010
GI	none	Score	85
Exons	10381..10866, 10714..10842, 10942..11010		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o6.gs	Method	GENSCAN
Start	15551	End	17912
GI	none	Score	.84
Exons	15551..15717, 15806..15913, 16491..16659, 16798..16881, 17457..17609, 17760..17912		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o3.tm	Method	TBLASTX:Maize
Start	16194	End	17914
GI	none	Score	44
Exons	16194..16241, 16229..16282, 16367..16411, 16371..16415, 16372..16413, 16487..16555, 16492..16578, 16496..16525, 16537..16578, 16567..16662, 16588..16662, 16786..16881, 16804..16884, 17452..17610, 17456..17611, 17457..17609, 17458..17610, 17748..17795, 17750..17806, 17758..17877, 17761..17913, 17861..17914		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o5.np	Method	AAT/NAP
Start	16447	End	18257
GI	7291437	Score	182
Exons	16447..16572, 16798..16881, 17457..17609, 17760..17912, 18194..18257		
GI Descrip.	(AE003458) CG4071 gene product [Drosophila melanogaster]		

Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o2.ts	Method	TBLASTX:Soybean
Start	16795	End	17899
GI	none	Score	152

Exons	16795..16881, 17452..17604, 17457..17609, 17748..17795, 17761..17859, 17770..17898, 17858..17899		
Seq. No.	42147	Seq. ID	OJ000303_23.0404.C11
Gene No.	87603	Strand	-
Start	15551	End	18257
Name	OJ000303_23.0404.C11.o4.gp	Method	AAT/GAP
Start	17470	End	17915
GI	none	Score	549
Exons	17470..17609, 17760..17915		
Seq. No.	42148	Seq. ID	OJ000303_23.0404.C12
Gene No.	87604	Strand	-
Start	423	End	1316
Name	OJ000303_23.0404.C12.o1.gs	Method	GENSCAN
Start	423	End	1213
GI	none	Score	.78
Exons	423..569, 1112..1213		
Seq. No.	42148	Seq. ID	OJ000303_23.0404.C12
Gene No.	87604	Strand	-
Start	423	End	1316
Name	OJ000303_23.0404.C12.o1.gp	Method	AAT/GAP
Start	1112	End	1316
GI	uC-osf1cyp021a10b1	Score	354
Exons	1112..1316		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	42148	Seq. ID	OJ000303_23.0404.C12
Gene No.	87605	Strand	-
Start	2549	End	2771
Name	OJ000303_23.0404.C12.o2.gs	Method	GENSCAN
Start	2549	End	2771
GI	none	Score	.67
Exons	2549..2681, 2686..2771		
Seq. No.	42149	Seq. ID	OJ000303_23.0404.C14
Gene No.	87606	Strand	+
Start	438	End	579
Name	OJ000303_23.0404.C14.o1.gs	Method	GENSCAN
Start	438	End	579
GI	none	Score	.86
Exons	438..579		
Seq. No.	42150	Seq. ID	OJ000303_23.0404.C15
Gene No.	87607	Strand	+
Start	1	End	1692
Name	OJ000303_23.0404.C15.o1.np	Method	AAT/NAP
Start	1	End	1692
GI	7228442	Score	725
Exons	1..703, 1646..1692		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		
Seq. No.	42150	Seq. ID	OJ000303_23.0404.C15

Gene No.	87607	Strand	+
Start	1	End	1692
Name	OJ000303_23.0404.C15.o1.gs	Method	GENSCAN
Start	102	End	1495
GI	none	Score	.54
Exons	102..410, 521..592, 1289..1495		

Seq. No.	42150	Seq. ID	OJ000303_23.0404.C15
Gene No.	87607	Strand	+
Start	1	End	1692
Name	OJ000303_23.0404.C15.o2.np	Method	AAT/NAP
Start	273	End	592
GI	5441880	Score	347
Exons	273..592		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	42151	Seq. ID	OJ000303_23.0404.C16
Gene No.	87608	Strand	+
Start	1	End	6907
Name	OJ000303_23.0404.C16.o1.np	Method	AAT/NAP
Start	1	End	2145
GI	7228438	Score	173
Exons	1..146, 536..870, 2118..2145		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	42151	Seq. ID	OJ000303_23.0404.C16
Gene No.	87608	Strand	+
Start	1	End	6907
Name	OJ000303_23.0404.C16.o1.gs	Method	GENSCAN
Start	83	End	6643
GI	none	Score	.7
Exons	83..123, 417..471, 550..870, 4201..4382, 4748..4968, 5493..5677, 5838..5983, 6245..6643		

Seq. No.	42151	Seq. ID	OJ000303_23.0404.C16
Gene No.	87608	Strand	+
Start	1	End	6907
Name	OJ000303_23.0404.C16.o1.gp	Method	AAT/GAP
Start	4381	End	6393
GI	31568_1.R1084	Score	1686
Exons	4381..4488, 5453..5749, 5838..6175, 6245..6393		
GI Descrip.	'5478530/gb|AAD43920.1|AF130441_1 2.0e-10 (AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]'		

Seq. No.	42151	Seq. ID	OJ000303_23.0404.C16
Gene No.	87608	Strand	+
Start	1	End	6907
Name	OJ000303_23.0404.C16.o1.tm	Method	TBLASTX:Maize
Start	5509	End	6564
GI	none	Score	328
Exons	5509..5715, 5510..5755, 5829..6176, 5837..6178, 5837..6175, 6237..6404, 6240..6338, 6242..6346, 6348..6563, 6361..6564		

Seq. No.	42151	Seq. ID	OJ000303_23.0404.C16
Gene No.	87608	Strand	+
Start	1	End	6907
Name	OJ000303_23.0404.C16.o1.tc	Method	TBLASTX:Cress
Start	5820	End	6626
GI	none	Score	223
Exons	5820..6032, 5822..6010, 5827..6039, 6033..6152, 6050..6151, 6236..6337, 6237..6344, 6239..6337, 6240..6347, 6381..6593, 6383..6595, 6582..6626		

Seq. No.	42151	Seq. ID	OJ000303_23.0404.C16
Gene No.	87608	Strand	+
Start	1	End	6907
Name	OJ000303_23.0404.C16.o1.ts	Method	TBLASTX:Soybean
Start	5882	End	6907
GI	none	Score	147
Exons	5882..6031, 5889..6032, 6033..6176, 6053..6199, 6225..6341, 6233..6334, 6237..6344, 6240..6347, 6249..6341, 6381..6659, 6381..6644, 6389..6649, 6390..6485, 6435..6557, 6766..6906, 6836..6907		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87609	Strand	+
Start	5784	End	7789
Name	OJ000303_23.0404.C17.o2.gs	Method	GENSCAN
Start	5784	End	7789
GI	none	Score	.64
Exons	5784..6338, 6542..6626, 7356..7383, 7461..7495, 7623..7789		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87610	Strand	-
Start	81	End	5815
Name	OJ000303_23.0404.C17.o1.gp	Method	AAT/GAP
Start	81	End	542
GI	none	Score	820
Exons	81..542		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87610	Strand	-
Start	81	End	5815
Name	OJ000303_23.0404.C17.o1.gs	Method	GENSCAN
Start	233	End	5656
GI	none	Score	.64
Exons	233..314, 496..629, 757..966, 1044..1125, 1933..2120, 2498..2623, 2696..2806, 3065..3184, 3602..3694, 4148..4282, 4347..4493, 5093..5245, 5429..5656		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87610	Strand	-
Start	81	End	5815
Name	OJ000303_23.0404.C17.o1.np	Method	AAT/NAP
Start	2008	End	5815
GI	4850401	Score	1646
Exons	2008..2085, 2280..2378, 2498..2623, 2696..2806, 3065..3184, 3602..3694, 4347..4493, 5093..5317, 5429..5666, 5769..5815		
GI Descrip.	(AC007357) Strong similarity to gb|U29610 Actin-like protein (Arp3) from Acanthamoeba castellanii and is a member of the		

PF|00022 Actin family. [Arabidopsis thaliana]

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o4.ts	Method	TBLASTX:Soybean
Start	137	End	372
GI	none	Score	82
Exons	137..211, 236..364, 238..312, 337..372		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o2.tm	Method	TBLASTX:Maize
Start	1984	End	3706
GI	none	Score	117
Exons	1984..2088, 2007..2090, 2009..2086, 2275..2379, 2280..2381, 2281..2379, 2513..2626, 2514..2624, 2684..2809, 2697..2807, 3042..3152, 3062..3184, 3065..3187, 3066..3185, 3067..3204, 3597..3695, 3598..3696, 3602..3706, 3602..3700		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o1.ts	Method	TBLASTX:Soybean
Start	1999	End	3145
GI	none	Score	131
Exons	1999..2085, 2000..2086, 2004..2090, 2283..2381, 2287..2373, 2480..2626, 2493..2624, 2525..2626, 2684..2809, 2709..2807, 2714..2809, 3062..3145, 3066..3143		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o1.tw	Method	TBLASTX:Wheat
Start	2275	End	2734
GI	none	Score	144
Exons	2275..2379, 2280..2381, 2281..2373, 2318..2380, 2480..2626, 2499..2624, 2684..2734, 2696..2734		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o3.ts	Method	TBLASTX:Soybean
Start	3146	End	7890
GI	none	Score	114
Exons	3146..3184, 3591..3695, 3598..3699, 3602..3709, 3602..3700, 4345..4488, 4347..4496, 4353..4499, 5066..5251, 5093..5251, 7795..7890		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o1.tc	Method	TBLASTX:Cress
Start	3597	End	5246
GI	none	Score	119
Exons	3597..3695, 3597..3698, 3601..3699, 3602..3709, 3602..3700,		

4345..4494, 4347..4496, 4353..4496, 5093..5245, 5094..5210, 5094..5246

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o1.tm	Method	TBLASTX:Maize
Start	4341	End	5284
GI	none	Score	195
Exons	4341..4481, 4345..4482, 4418..4483, 5090..5284, 5091..5207, 5104..5274, 5105..5284		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o2.tw	Method	TBLASTX:Wheat
Start	5111	End	5317
GI	none	Score	77
Exons	5111..5317, 5118..5210		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o2.ts	Method	TBLASTX:Soybean
Start	5282	End	5828
GI	none	Score	61
Exons	5282..5320, 5282..5320, 5426..5530, 5426..5569, 5493..5561, 5573..5665, 5589..5663, 5769..5828, 5777..5809		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o3.tm	Method	TBLASTX:Maize
Start	5477	End	5819
GI	none	Score	70
Exons	5477..5557, 5493..5558, 5585..5665, 5589..5666, 5766..5819, 5777..5818		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o3.tw	Method	TBLASTX:Wheat
Start	5534	End	5825
GI	none	Score	50
Exons	5534..5566, 5535..5567, 5562..5663, 5570..5665, 5631..5675, 5769..5825, 5777..5824		

Seq. No.	42152	Seq. ID	OJ000303_23.0404.C17
Gene No.	87611	Strand	-
Start	9023	End	10182
Name	OJ000303_23.0404.C17.o3.gs	Method	GENSCAN
Start	9023	End	10182
GI	none	Score	.94
Exons	9023..9209, 10001..10182		

Seq. No.	42153	Seq. ID	OJ000303_23.0404.C18
Gene No.	87612	Strand	+

Start	56	End	438
Name	OJ000303_23.0404.C18.o1.gs	Method	GENSCAN
Start	56	End	438
GI	none	Score	.98
Exons	56..438		

Seq. No.	42154	Seq. ID	OJ000303_23.0404.C19
Gene No.	87613	Strand	-
Start	1	End	1679
Name	OJ000303_23.0404.C19.o1.np	Method	AAT/NAP
Start	1	End	1376
GI	7228442	Score	1355
Exons	1..1376		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42154	Seq. ID	OJ000303_23.0404.C19
Gene No.	87613	Strand	-
Start	1	End	1679
Name	OJ000303_23.0404.C19.o1.tm	Method	TBLASTX:Maize
Start	1	End	338
GI	none	Score	80
Exons	1..111, 3..338		

Seq. No.	42154	Seq. ID	OJ000303_23.0404.C19
Gene No.	87613	Strand	-
Start	1	End	1679
Name	OJ000303_23.0404.C19.o1.gs	Method	GENSCAN
Start	330	End	1628
GI	none	Score	.56
Exons	330..1040, 1454..1628		

Seq. No.	42154	Seq. ID	OJ000303_23.0404.C19
Gene No.	87613	Strand	-
Start	1	End	1679
Name	OJ000303_23.0404.C19.o2.np	Method	AAT/NAP
Start	1416	End	1679
GI	5042454	Score	84
Exons	1416..1679		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87614	Strand	+
Start	155	End	597
Name	OJ000303_23.0404.C20.o1.gs	Method	GENSCAN
Start	155	End	597
GI	none	Score	.85
Exons	155..209, 228..303, 465..597		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87615	Strand	+
Start	1143	End	4407
Name	OJ000303_23.0404.C20.o1.np	Method	AAT/NAP
Start	1143	End	4404
GI	6907089	Score	4258
Exons	1143..2404, 2503..4404		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87615	Strand	+
Start	1143	End	4407
Name	OJ000303_23.0404.C20.o2.gs	Method	GENSCAN
Start	1143	End	4407
GI	none	Score	.81
Exons	1143..2130, 2236..2404, 2503..2598, 2910..3184, 3230..4407		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87616	Strand	+
Start	11280	End	12135
Name	OJ000303_23.0404.C20.o3.np	Method	AAT/NAP
Start	11280	End	12135
GI	5922623	Score	271
Exons	11280..11360, 11733..11892, 12060..12135		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87616	Strand	+
Start	11280	End	12135
Name	OJ000303_23.0404.C20.o4.np	Method	AAT/NAP
Start	11280	End	12135
GI	5922623	Score	269
Exons	11280..11360, 11733..11892, 12060..12135		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87617	Strand	+
Start	12044	End	12313
Name	OJ000303_23.0404.C20.o5.np	Method	AAT/NAP
Start	12044	End	12313
GI	7523512	Score	104
Exons	12044..12313		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87618	Strand	+
Start	14503	End	14937
Name	OJ000303_23.0404.C20.o4.gs	Method	GENSCAN
Start	14503	End	14937
GI	none	Score	.45
Exons	14503..14937		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87618	Strand	+
Start	14503	End	14937
Name	OJ000303_23.0404.C20.o6.np	Method	AAT/NAP
Start	14671	End	14937
GI	2852684	Score	124
Exons	14671..14937		
GI Descrip.	(AF017751) resistance protein candidate [Lactuca sativa]		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87619	Strand	-
Start	4415	End	4889
Name	OJ000303_23.0404.C20.o1.gp	Method	AAT/GAP
Start	4415	End	4889
GI	2428323	Score	693
Exons	4415..4889		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o2.np	Method	AAT/NAP
Start	5052	End	11203
GI	7228457	Score	9374
Exons	5052..6602, 6669..7820, 7943..8777, 8841..10776, 10837..11203		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o7.tw	Method	TBLASTX:Wheat
Start	5061	End	5663
GI	none	Score	78
Exons	5061..5186, 5065..5187, 5372..5662, 5379..5663, 5380..5658		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o4.tw	Method	TBLASTX:Wheat
Start	5664	End	6045
GI	none	Score	160
Exons	5664..6044, 5695..5943, 5989..6045		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o3.tm	Method	TBLASTX:Maize
Start	5859	End	6182
GI	none	Score	194
Exons	5859..6182, 5872..6153		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o8.tw	Method	TBLASTX:Wheat
Start	6375	End	6687
GI	none	Score	68
Exons	6375..6635, 6511..6687		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203

Name	OJ000303_23.0404.C20.o2.ts	Method	TBLASTX:Soybean
Start	6435	End	7001
GI	5666795	Score	68
Exons	6435..6635, 6690..6827, 6903..7001		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o5.tw	Method	TBLASTX:Wheat
Start	6690	End	10150
GI	none	Score	88
Exons	6690..6839, 6691..6828, 6693..6830, 6886..7104, 6900..7124, 6927..7148, 10097..10150		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o1.ts	Method	TBLASTX:Soybean
Start	7749	End	8120
GI	none	Score	90
Exons	7749..8120, 7960..8103		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o2.tw	Method	TBLASTX:Wheat
Start	7774	End	8199
GI	none	Score	339
Exons	7774..8199, 7779..8198		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o2.tm	Method	TBLASTX:Maize
Start	7872	End	8256
GI	none	Score	230
Exons	7872..8255, 7891..8256		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o1.tm	Method	TBLASTX:Maize
Start	8283	End	8639
GI	none	Score	67
Exons	8283..8399, 8283..8639, 8293..8604		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o1.tw	Method	TBLASTX:Wheat
Start	8307	End	8769
GI	none	Score	396
Exons	8307..8768, 8308..8769		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-

Start	5052	End	11203
Name	OJ000303_23.0404.C20.o3.ts	Method	TBLASTX:Soybean
Start	8364	End	8729
GI	none	Score	117
Exons	8364..8498, 8505..8729		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o3.tw	Method	TBLASTX:Wheat
Start	8934	End	9420
GI	none	Score	175
Exons	8934..9419, 8965..9225, 8991..9407, 9247..9420		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o6.tw	Method	TBLASTX:Wheat
Start	10158	End	10550
GI	none	Score	80
Exons	10158..10415, 10270..10431, 10398..10496, 10399..10479, 10503..10550		

Seq. No.	42155	Seq. ID	OJ000303_23.0404.C20
Gene No.	87620	Strand	-
Start	5052	End	11203
Name	OJ000303_23.0404.C20.o4.tm	Method	TBLASTX:Maize
Start	10260	End	10545
GI	none	Score	86
Exons	10260..10508, 10261..10545		

Seq. No.	42156	Seq. ID	OJ000303_23.0404.C21
Gene No.	87621	Strand	+
Start	59	End	1263
Name	OJ000303_23.0404.C21.o1.gs	Method	GENSCAN
Start	59	End	1263
GI	none	Score	.89
Exons	59..115, 155..225, 456..537, 1168..1263		

Seq. No.	42157	Seq. ID	OJ000323_10.0413.C1
Gene No.	87622	Strand	+
Start	88	End	1730
Name	OJ000323_10.0413.C1.o1.gs	Method	GENSCAN
Start	88	End	1730
GI	none	Score	.62
Exons	88..917, 1726..1730		

Seq. No.	42157	Seq. ID	OJ000323_10.0413.C1
Gene No.	87622	Strand	+
Start	88	End	1730
Name	OJ000323_10.0413.C1.o1.gp	Method	AAT/GAP
Start	1058	End	1309
GI	none	Score	487
Exons	1058..1309		

Seq. No.	42157	Seq. ID	OJ000323_10.0413.C1
Gene No.	87623	Strand	+

Start	1990	End	4503
Name	OJ000323_10.0413.C1.o1.np	Method	AAT/NAP
Start	1990	End	4503
GI	7228438	Score	397
Exons	1990..2020, 3846..4503		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	42157	Seq. ID	OJ000323_10.0413.C1
Gene No.	87623	Strand	+
Start	1990	End	4503
Name	OJ000323_10.0413.C1.o2.gs	Method	GENSCAN
Start	2911	End	4259
GI	none	Score	.95
Exons	2911..2997, 3308..4259		

Seq. No.	42157	Seq. ID	OJ000323_10.0413.C1
Gene No.	87623	Strand	+
Start	1990	End	4503
Name	OJ000323_10.0413.C1.o1.tm	Method	TBLASTX:Maize
Start	3911	End	4501
GI	none	Score	60
Exons	3911..4000, 3919..3960, 4021..4314, 4082..4381, 4423..4482, 4430..4501		

Seq. No.	42157	Seq. ID	OJ000323_10.0413.C1
Gene No.	87623	Strand	+
Start	1990	End	4503
Name	OJ000323_10.0413.C1.o1.tw	Method	TBLASTX:Wheat
Start	4231	End	4503
GI	none	Score	148
Exons	4231..4323, 4232..4390, 4378..4503, 4400..4501		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2
Gene No.	87624	Strand	+
Start	1	End	10864
Name	OJ000323_10.0413.C2.o1.np	Method	AAT/NAP
Start	1	End	3125
GI	5441880	Score	55
Exons	1..21, 326..464, 3035..3125		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2
Gene No.	87624	Strand	+
Start	1	End	10864
Name	OJ000323_10.0413.C2.o2.np	Method	AAT/NAP
Start	1	End	10864
GI	7228442	Score	714
Exons	1..25, 8588..9498, 9541..9971, 10020..10412, 10843..10864		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2

Gene No.	87624	Strand	+
Start	1	End	10864
Name	OJ000323_10.0413.C2.o1.gs	Method	GENSCAN
Start	95	End	727
GI	none	Score	.65
Exons	95..727		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2
Gene No.	87624	Strand	+
Start	1	End	10864
Name	OJ000323_10.0413.C2.o1.gp	Method	AAT/GAP
Start	1218	End	1484
GI	uC-osflcyp118f04a1	Score	502
Exons	1218..1484		
GI Descrip.	'5257262/dbj|BAA81761.1| 2.0e-09 (AP000364) hypothetical protein [Oryza sativa]'		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2
Gene No.	87625	Strand	-
Start	1665	End	2008
Name	OJ000323_10.0413.C2.o2.gp	Method	AAT/GAP
Start	1665	End	2008
GI	700010	Score	657
Exons	1665..2008		
GI Descrip.	5257262/dbj|BAA81761.1| 2.0e-09 (AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2
Gene No.	87626	Strand	-
Start	4266	End	5742
Name	OJ000323_10.0413.C2.o1.tm	Method	TBLASTX:Maize
Start	1666	End	1960
GI	none	Score	102
Exons	1666..1866, 1667..1870, 1668..1883, 1910..1960, 1915..1956		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2
Gene No.	87626	Strand	-
Start	4266	End	5742
Name	OJ000323_10.0413.C2.o2.tw	Method	TBLASTX:Wheat
Start	1761	End	4346
GI	none	Score	171
Exons	1761..2048, 1763..2032, 1771..2049, 1830..2048, 4250..4345, 4260..4346, 4261..4344		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2
Gene No.	87626	Strand	-
Start	4266	End	5742
Name	OJ000323_10.0413.C2.o3.tm	Method	TBLASTX:Maize
Start	4260	End	4512
GI	none	Score	107
Exons	4260..4412, 4260..4436, 4273..4413, 4274..4441, 4458..4508, 4459..4512		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2
Gene No.	87626	Strand	-
Start	4266	End	5742
Name	OJ000323_10.0413.C2.o3.gp	Method	AAT/GAP

Start	4266	End	5742
GI	LIB3432-046-P1-K1-A1	Score	767
Exons	4266..4498, 5561..5742		
GI Descrip.	'5257262/dbj|BAA81761.1| 2.0e-15 (AP000364) hypothetical protein [Oryza sativa]'		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2
Gene No.	87627	Strand	
Start	8810	End	9512
Name	OJ000323_10.0413.C2.o2.tm	Method	TBLASTX:Maize
Start	8810	End	9395
GI	none	Score	179
Exons	8810..8920, 8972..9202, 8979..9269, 9279..9395, 9314..9355		

Seq. No.	42158	Seq. ID	OJ000323_10.0413.C2
Gene No.	87627	Strand	
Start	8810	End	9512
Name	OJ000323_10.0413.C2.o1.tw	Method	TBLASTX:Wheat
Start	9119	End	9512
GI	none	Score	142
Exons	9119..9211, 9120..9293, 9278..9463, 9279..9512		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87628	Strand	+
Start	1147	End	2908
Name	OJ000323_10.0413.C3.o1.gs	Method	GENSCAN
Start	1147	End	2908
GI	none	Score	.95
Exons	1147..1234, 1731..2908		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87628	Strand	+
Start	1147	End	2908
Name	OJ000323_10.0413.C3.o1.np	Method	AAT/NAP
Start	1814	End	2905
GI	6862930	Score	1128
Exons	1814..2905		
GI Descrip.	(AC018907) putative glycosyl transferase [Arabidopsis thaliana]		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87628	Strand	+
Start	1147	End	2908
Name	OJ000323_10.0413.C3.o1.gp	Method	AAT/GAP
Start	2252	End	2764
GI	uC-osroM202030c10a1	Score	998
Exons	2252..2764		
GI Descrip.	'2104536/gb|AAC78704.1| 9.0e-49 (AF001308) predicted glycosyl transferase [Arabidopsis thaliana]'		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87629	Strand	+
Start	9458	End	13697
Name	OJ000323_10.0413.C3.o4.gs	Method	GENSCAN
Start	9458	End	13691
GI	none	Score	.83
Exons	9458..9568, 10492..10656, 10735..10853, 11141..11215, 11645..11738, 11821..11880, 12056..12121, 12204..12302,		

13355..13457, 13615..13691

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87629	Strand	+
Start	9458	End	13697
Name	OJ000323_10.0413.C3.o2.np	Method	AAT/NAP
Start	9469	End	13697
GI	547911	Score	373
Exons	9469..9583, 10492..10656, 10735..10853, 11141..11215, 11645..11738, 11821..11880, 12056..12121, 12204..12302, 12874..12918, 13355..13457, 13615..13697		
GI Descrip.	MO25 PROTEIN gi|2143483|pir||I57997 hypothetical calcium-binding protein - mouse gi|262934|gb|AAB24801.1| (S51858) putative Ca2+ binding protein [mice, embryos, Peptide, 341 aa] [Mus sp.]		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87630	Strand	+
Start	20042	End	20188
Name	OJ000323_10.0413.C3.o6.gs	Method	GENSCAN
Start	20042	End	20188
GI	none	Score	.55
Exons	20042..20188		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87631	Strand	-
Start	2975	End	3401
Name	OJ000323_10.0413.C3.o2.gp	Method	AAT/GAP
Start	2975	End	3401
GI	none	Score	787
Exons	2975..3401		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87632	Strand	-
Start	3674	End	4368
Name	OJ000323_10.0413.C3.o2.gs	Method	GENSCAN
Start	3674	End	4368
GI	none	Score	.43
Exons	3674..3876, 4060..4097, 4172..4368		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o4.tm	Method	TBLASTX:Maize
Start	1925	End	2212
GI	none	Score	64
Exons	1925..1984, 1930..1974, 1996..2211, 1997..2212		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o4.tc	Method	TBLASTX:Cress
Start	1943	End	2332
GI	none	Score	45
Exons	1943..1984, 1945..1983, 2003..2152, 2011..2154, 2216..2332		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-

Start	14250	End	18495
Name	OJ000323_10.0413.C3.o1.ts	Method	TBLASTX:Soybean
Start	2038	End	2878
GI	none	Score	125
Exons	2038..2133, 2039..2149, 2212..2316, 2216..2323, 2393..2503, 2425..2481, 2530..2874, 2531..2878		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o1.tm	Method	TBLASTX:Maize
Start	2221	End	2860
GI	none	Score	89
Exons	2221..2481, 2276..2326, 2396..2500, 2530..2856, 2531..2860, 2753..2860		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o1.tc	Method	TBLASTX:Cress
Start	2416	End	2812
GI	none	Score	107
Exons	2416..2481, 2417..2497, 2530..2811, 2531..2812		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o2.tm	Method	TBLASTX:Maize
Start	9454	End	13673
GI	none	Score	100
Exons	9454..9495, 9466..9567, 9467..9574, 9525..9575, 10489..10659, 10491..10661, 10492..10665, 10721..10804, 10722..10853, 10723..10851, 11111..11218, 11127..11216, 11147..11218, 11643..11738, 11645..11740, 11814..11879, 11815..11880, 11818..11880, 12048..12131, 12053..12121, 12195..12302, 12203..12304, 12203..12304, 12844..12921, 12859..12921, 12872..12934, 12872..12925, 13352..13459, 13352..13459, 13353..13460, 13354..13461, 13614..13673		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o3.ts	Method	TBLASTX:Soybean
Start	9500	End	10815
GI	none	Score	77
Exons	9500..9571, 10483..10653, 10491..10655, 10492..10656, 10732..10815, 10737..10814		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o2.tc	Method	TBLASTX:Cress
Start	14244	End	14645
GI	none	Score	72
Exons	14244..14456, 14278..14448, 14505..14645, 14551..14619		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3

Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o3.np	Method	AAT/NAP
Start	14250	End	18495
GI	2760837	Score	1271
Exons	14250..14690, 15257..16110, 18204..18495		
GI Descrip.	(AC003105) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o2.ts	Method	TBLASTX:Soybean
Start	14265	End	18393
GI	none	Score	98
Exons	14265..14459, 14275..14454, 14505..14684, 14548..14685, 15302..15457, 15303..15458, 15569..15649, 15875..15988, 15876..15989, 16037..16111, 16038..16094, 18286..18393		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o3.tm	Method	TBLASTX:Maize
Start	14274	End	14685
GI	none	Score	73
Exons	14274..14420, 14274..14684, 14410..14466, 14548..14685		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o1.tw	Method	TBLASTX:Wheat
Start	14439	End	14706
GI	none	Score	78
Exons	14439..14465, 14505..14603, 14548..14655, 14607..14705, 14608..14706		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o5.tm	Method	TBLASTX:Maize
Start	15254	End	16120
GI	none	Score	128
Exons	15254..15454, 15255..15455, 15557..15727, 15875..15994, 16007..16120		

Seq. No.	42159	Seq. ID	OJ000323_10.0413.C3
Gene No.	87633	Strand	-
Start	14250	End	18495
Name	OJ000323_10.0413.C3.o3.tc	Method	TBLASTX:Cress
Start	15260	End	15694
GI	none	Score	97
Exons	15260..15454, 15261..15455, 15557..15694		

Seq. No.	42160	Seq. ID	OJ000323_10.0413.C4
Gene No.	87634	Strand	+
Start	1025	End	1324
Name	OJ000323_10.0413.C4.o1.gs	Method	GENSCAN
Start	1025	End	1324

GI	none	Score	.92
Exons	1025..1324		

Seq. No.	42161	Seq. ID	OJ000323_10.0413.C5
Gene No.	87635	Strand	+
Start	1	End	201
Name	OJ000323_10.0413.C5.o1.gp	Method	AAT/GAP
Start	1	End	201
GI	none	Score	387
Exons	1..201		

Seq. No.	42161	Seq. ID	OJ000323_10.0413.C5
Gene No.	87636	Strand	-
Start	883	End	939
Name	OJ000323_10.0413.C5.o1.gs	Method	GENSCAN
Start	883	End	939
GI	none	Score	.77
Exons	883..939		

Seq. No.	42162	Seq. ID	OJ000323_10.0413.C6
Gene No.	87637	Strand	+
Start	569	End	6966
Name	OJ000323_10.0413.C6.o1.np	Method	AAT/NAP
Start	569	End	6772
GI	6815108	Score	602
Exons	569..620, 3535..3604, 5511..6400, 6533..6772		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana chromosome 1 BAC F15K9;hypothetical protein (AC005278) [Oryza sativa]		

Seq. No.	42162	Seq. ID	OJ000323_10.0413.C6
Gene No.	87637	Strand	+
Start	569	End	6966
Name	OJ000323_10.0413.C6.o2.gs	Method	GENSCAN
Start	5396	End	6778
GI	none	Score	.98
Exons	5396..6778		

Seq. No.	42162	Seq. ID	OJ000323_10.0413.C6
Gene No.	87637	Strand	+
Start	569	End	6966
Name	OJ000323_10.0413.C6.o1.gp	Method	AAT/GAP
Start	6435	End	6966
GI	none	Score	1016
Exons	6435..6966		

Seq. No.	42162	Seq. ID	OJ000323_10.0413.C6
Gene No.	87638	Strand	-
Start	62	End	4802
Name	OJ000323_10.0413.C6.o1.gs	Method	GENSCAN
Start	62	End	4802
GI	none	Score	.5
Exons	62..130, 1186..1278, 1889..1940, 2701..2783, 2855..3021, 3261..3322, 4296..4362, 4547..4639, 4664..4802		

Seq. No.	42162	Seq. ID	OJ000323_10.0413.C6
Gene No.	87639	Strand	-
Start	8407	End	8503

Name	OJ000323_10.0413.C6.o1.tm	Method	TBLASTX:Maize
Start	5863	End	6157
GI	none	Score	390
Exons	5863..6135, 5864..6157		

Seq. No.	42162	Seq. ID	OJ000323_10.0413.C6
Gene No.	87639	Strand	-
Start	8407	End	8503
Name	OJ000323_10.0413.C6.o1.tc	Method	TBLASTX:Cress
Start	5870	End	6154
GI	none	Score	222
Exons	5870..6154, 5875..5955, 6052..6135		

Seq. No.	42162	Seq. ID	OJ000323_10.0413.C6
Gene No.	87639	Strand	-
Start	8407	End	8503
Name	OJ000323_10.0413.C6.o2.tm	Method	TBLASTX:Maize
Start	6533	End	6978
GI	none	Score	94
Exons	6533..6610, 6542..6604, 6607..6774, 6615..6776, 6615..6776, 6907..6933, 6934..6978		

Seq. No.	42162	Seq. ID	OJ000323_10.0413.C6
Gene No.	87639	Strand	-
Start	8407	End	8503
Name	OJ000323_10.0413.C6.o2.gp	Method	AAT/GAP
Start	8407	End	8503
GI	17461_1.R1084	Score	151
Exons	8407..8503		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87640	Strand	+
Start	183	End	1752
Name	OJ000323_10.0413.C7.o1.gp	Method	AAT/GAP
Start	183	End	699
GI	17461_1.R1084	Score	790
Exons	183..339, 434..699		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87640	Strand	+
Start	183	End	1752
Name	OJ000323_10.0413.C7.o1.gs	Method	GENSCAN
Start	184	End	1752
GI	none	Score	.65
Exons	184..339, 1618..1752		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87641	Strand	-
Start	2596	End	4935
Name	OJ000323_10.0413.C7.o2.gs	Method	GENSCAN
Start	2596	End	4391
GI	none	Score	.54
Exons	2596..2618, 3159..3957, 4035..4391		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87641	Strand	-
Start	2596	End	4935
Name	OJ000323_10.0413.C7.o2.gp	Method	AAT/GAP
Start	4044	End	4935
GI	none	Score	843
Exons	4044..4393, 4838..4935		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o2.ts	Method	TBLASTX:Soybean
Start	177	End	481
GI	none	Score	76
Exons	177..338, 177..323, 181..339, 424..480, 425..481		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o1.tm	Method	TBLASTX:Maize
Start	180	End	560
GI	none	Score	160
Exons	180..338, 180..338, 181..339, 271..348, 427..480, 434..484, 437..484, 488..559, 489..560		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o1.tc	Method	TBLASTX:Cress
Start	184	End	484
GI	none	Score	173
Exons	184..339, 186..338, 424..483, 425..484		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o2.tm	Method	TBLASTX:Maize
Start	3286	End	3660
GI	none	Score	79
Exons	3286..3354, 3287..3358, 3361..3438, 3379..3450, 3380..3466, 3380..3511, 3381..3509, 3386..3511, 3386..3481, 3453..3581, 3457..3582, 3458..3535, 3487..3582, 3529..3594, 3529..3654, 3538..3654, 3607..3660		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o3.tm	Method	TBLASTX:Maize
Start	3907	End	4289
GI	none	Score	93
Exons	3907..3960, 4003..4257, 4035..4256, 4257..4289		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o4.tm	Method	TBLASTX:Maize

Start	8235	End	8484
GI	none	Score	106
Exons	8235..8483, 8318..8464, 8319..8483, 8323..8484		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o4.gs	Method	GENSCAN
Start	8742	End	11686
GI	none	Score	.45
Exons	8742..8901, 10579..10684, 10771..10814, 11218..11328, 11402..11514, 11621..11686		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o1.np	Method	AAT/NAP
Start	10140	End	11309
GI	6358794	Score	309
Exons	10140..10239, 10579..10684, 10771..10814, 11218..11309		
GI Descrip.	(AC010852) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o6.tm	Method	TBLASTX:Maize
Start	11211	End	11335
GI	none	Score	171
Exons	11211..11330, 11215..11331, 11216..11335		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o1.ts	Method	TBLASTX:Soybean
Start	11266	End	11698
GI	none	Score	143
Exons	11266..11331, 11398..11514, 11399..11515, 11406..11516, 11619..11687, 11620..11670, 11621..11698		

Seq. No.	42163	Seq. ID	OJ000323_10.0413.C7
Gene No.	87642	Strand	-
Start	8742	End	11698
Name	OJ000323_10.0413.C7.o5.tm	Method	TBLASTX:Maize
Start	11446	End	11698
GI	none	Score	95
Exons	11446..11514, 11447..11515, 11451..11516, 11615..11698, 11615..11686, 11619..11687		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87643	Strand	+
Start	2352	End	5787
Name	OJ000323_10.0413.C8.o1.gs	Method	GENSCAN
Start	2352	End	5772
GI	none	Score	.89
Exons	2352..2568, 2654..2793, 2968..3059, 3190..3286, 3541..3773, 4386..4580, 4659..4749, 4834..4956, 5052..5202, 5570..5772		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87643	Strand	+
Start	2352	End	5787
Name	OJ000323_10.0413.C8.o2.np	Method	AAT/NAP
Start	2358	End	5787
GI	6682259	Score	1378
Exons	2358..2568, 2660..2793, 2968..3059, 3190..3286, 3381..3473, 3541..3773, 4386..4580, 4659..4749, 4834..4956, 5052..5202, 5570..5787		
GI Descrip.	(AC016661) putative RNA helicase [Arabidopsis thaliana]		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87644	Strand	+
Start	9943	End	10285
Name	OJ000323_10.0413.C8.o3.gs	Method	GENSCAN
Start	9943	End	10285
GI	none	Score	.82
Exons	9943..10161, 10166..10285		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87645	Strand	+
Start	10838	End	14332
Name	OJ000323_10.0413.C8.o4.gs	Method	GENSCAN
Start	10838	End	14332
GI	none	Score	.49
Exons	10838..11019, 12268..12469, 12574..13485, 13898..14332		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87646	Strand	+
Start	16774	End	17813
Name	OJ000323_10.0413.C8.o6.gs	Method	GENSCAN
Start	16774	End	17813
GI	none	Score	.4
Exons	16774..17239, 17773..17813		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87647	Strand	-
Start	498	End	1618
Name	OJ000323_10.0413.C8.o1.np	Method	AAT/NAP
Start	498	End	1527
GI	6358784	Score	346
Exons	498..594, 688..812, 1317..1369, 1454..1527		
GI Descrip.	(AC010852) unknown protein [Arabidopsis thaliana]		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87647	Strand	-
Start	498	End	1618
Name	OJ000323_10.0413.C8.o1.gp	Method	AAT/GAP
Start	679	End	1618
GI	701076	Score	601
Exons	679..812, 1317..1369, 1454..1618		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87648	Strand	-
Start	5916	End	9170
Name	OJ000323_10.0413.C8.o2.gp	Method	AAT/GAP

Start	5916	End	6324
GI	5038884	Score	784
Exons	5916..6324		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87648	Strand	-
Start	5916	End	9170
Name	OJ000323_10.0413.C8.o2.gs	Method	GENSCAN
Start	6052	End	9170
GI	none	Score	.92
Exons	6052..6486, 7167..9170		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87648	Strand	-
Start	5916	End	9170
Name	OJ000323_10.0413.C8.o3.np	Method	AAT/NAP
Start	6058	End	8915
GI	6862925	Score	1213
Exons	6058..6486, 7167..8915		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o2.tm	Method	TBLASTX:Maize
Start	497	End	1363
GI	none	Score	161
Exons	497..595, 499..594, 686..814, 688..813, 688..825, 689..814, 1318..1362, 1319..1363		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o2.ts	Method	TBLASTX:Soybean
Start	497	End	1527
GI	none	Score	123
Exons	497..595, 497..592, 499..594, 688..792, 689..781, 1453..1527, 1454..1525		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o1.ts	Method	TBLASTX:Soybean
Start	2370	End	3470
GI	none	Score	78
Exons	2370..2441, 2962..3060, 3179..3283, 3187..3273, 3191..3283, 3204..3284, 3372..3470, 3380..3466		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o1.tm	Method	TBLASTX:Maize
Start	3167	End	5067
GI	none	Score	126
Exons	3167..3280, 3193..3282, 3193..3291, 3194..3286, 3372..3461, 3380..3460, 3529..3771, 3529..3594, 3539..3595, 3540..3773, 4384..4584, 4387..4581, 4452..4595, 4475..4600, 4656..4748,		

4657..4770, 4659..4742, 4846..4944, 4846..4944, 5038..5067

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o4.ts	Method	TBLASTX:Soybean
Start	4411	End	4743
GI	none	Score	213
Exons	4411..4581, 4452..4583, 4681..4743		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o1.tc	Method	TBLASTX:Cress
Start	4447	End	5111
GI	none	Score	129
Exons	4447..4581, 4452..4583, 4657..4773, 4659..4772, 4831..4944, 4834..4944, 5049..5111, 5060..5110		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o3.ts	Method	TBLASTX:Soybean
Start	5055	End	5763
GI	none	Score	241
Exons	5055..5207, 5059..5199, 5060..5203, 5565..5762, 5599..5763		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o3.tm	Method	TBLASTX:Maize
Start	5067	End	5858
GI	none	Score	129
Exons	5067..5201, 5069..5203, 5069..5203, 5070..5207, 5565..5774, 5599..5766, 5643..5771, 5808..5858, 5809..5850		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o3.tc	Method	TBLASTX:Cress
Start	6070	End	6354
GI	none	Score	104
Exons	6070..6354, 6115..6330, 6230..6340		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o5.ts	Method	TBLASTX:Soybean
Start	7617	End	7979
GI	none	Score	56
Exons	7617..7703, 7618..7704, 7740..7883, 7765..7860, 7878..7979		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o4.tm	Method	TBLASTX:Maize
Start	8061	End	8426

GI	none	Score	150
Exons	8061..8294, 8067..8282, 8301..8426		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o2.tc	Method	TBLASTX:Cress
Start	8697	End	11029
GI	none	Score	119
Exons	8697..8957, 8740..8916, 10832..11029, 10840..11010		

Seq. No.	42164	Seq. ID	OJ000323_10.0413.C8
Gene No.	87649	Strand	-
Start	14962	End	16087
Name	OJ000323_10.0413.C8.o5.gs	Method	GENSCAN
Start	14962	End	16087
GI	none	Score	.79
Exons	14962..15036, 15259..15401, 15946..15983, 16059..16087		

Seq. No.	42165	Seq. ID	OJ000323_10.0413.C9
Gene No.	87650	Strand	+
Start	127	End	3255
Name	OJ000323_10.0413.C9.o1.gs	Method	GENSCAN
Start	127	End	3255
GI	none	Score	.74
Exons	127..257, 1862..1966, 2190..2295, 2448..2519, 3202..3255		

Seq. No.	42165	Seq. ID	OJ000323_10.0413.C9
Gene No.	87651	Strand	+
Start	3170	End	3962
Name	OJ000323_10.0413.C9.o1.np	Method	AAT/NAP
Start	3170	End	3962
GI	7452419	Score	151
Exons	3170..3258, 3287..3448, 3901..3962		
GI Descrip.	hypothetical protein A_IG005I10.24 - Arabidopsis thaliana gi|2252843|gb|AAB62842.1| (AF013293) A_IG005I10.24 gene product [Arabidopsis thaliana] gi|6049885|gb|AAF02800.1|AF195115_20 (AF195115) F5I10.24 gene product [Arabidopsis thaliana] gi|7267384|emb|CAB80854.1| (AL161472) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42166	Seq. ID	OJ000323_10.0413.C10
Gene No.	87652	Strand	-
Start	1	End	146
Name	OJ000323_10.0413.C10.o1.gp	Method	AAT/GAP
Start	1	End	146
GI	none	Score	288
Exons	1..146		

Seq. No.	42167	Seq. ID	OJ000323_10.0413.C12
Gene No.	87653	Strand	+
Start	252	End	593
Name	OJ000323_10.0413.C12.o1.gs	Method	GENSCAN
Start	252	End	593
GI	none	Score	.62
Exons	252..593		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87654	Strand	+
Start	1286	End	2719
Name	OJ000223_13.0412.C3.o1.gs	Method	GENSCAN
Start	1286	End	2719
GI	none	Score	.6
Exons	1286..1385, 2640..2719		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o1.np	Method	AAT/NAP
Start	772	End	6108
GI	5902445	Score	1408
Exons	772..1473, 1885..2033, 3442..3543, 5546..6108		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o4.tw	Method	TBLASTX:Wheat
Start	820	End	1111
GI	none	Score	90
Exons	820..942, 822..950, 983..1111, 985..1110		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o2.gs	Method	GENSCAN
Start	3850	End	7850
GI	none	Score	.49
Exons	3850..3968, 4014..4079, 4563..4665, 5227..5537, 5892..6015, 6088..6302, 6354..6771, 7830..7850		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o1.tw	Method	TBLASTX:Wheat
Start	5149	End	5547
GI	none	Score	429
Exons	5149..5547		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o2.tm	Method	TBLASTX:Maize
Start	5233	End	5493
GI	none	Score	144
Exons	5233..5493, 5255..5479		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o5.tw	Method	TBLASTX:Wheat
Start	5549	End	5747
GI	none	Score	116
Exons	5549..5734, 5568..5747		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o1.tm	Method	TBLASTX:Maize
Start	5678	End	6034
GI	none	Score	152
Exons	5678..5746, 5749..6033, 5765..6034		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o2.tw	Method	TBLASTX:Wheat
Start	5752	End	6163
GI	none	Score	117
Exons	5752..6042, 5755..6162, 5759..6043, 6077..6163		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o2.np	Method	AAT/NAP
Start	6175	End	10126
GI	5902444	Score	788
Exons	6175..6763, 10101..10126		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o3.tw	Method	TBLASTX:Wheat
Start	6400	End	6756
GI	none	Score	120
Exons	6400..6756, 6422..6664		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o3.gs	Method	GENSCAN
Start	8363	End	8900
GI	none	Score	.87
Exons	8363..8445, 8831..8900		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o4.gs	Method	GENSCAN
Start	9784	End	12810
GI	none	Score	.67
Exons	9784..10071, 10112..10284, 11272..11396, 11600..11702, 12397..12551, 12677..12810		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o2.gp	Method	AAT/GAP
Start	11909	End	12216
GI	61605_3.R1084	Score	433

Exons	11909..12216		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	42168	Seq. ID	OJ000223_13.0412.C3
Gene No.	87655	Strand	-
Start	772	End	12912
Name	OJ000223_13.0412.C3.o4.np	Method	AAT/NAP
Start	12184	End	12912
GI	6523547	Score	79
Exons	12184..12539, 12885..12912		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	42169	Seq. ID	OJ000223_13.0412.C4
Gene No.	87656	Strand	-
Start	123	End	635
Name	OJ000223_13.0412.C4.o1.gs	Method	GENSCAN
Start	123	End	635
GI	none	Score	.47
Exons	123..229, 511..635		

Seq. No.	42170	Seq. ID	OJ000223_13.0412.C5
Gene No.	87657	Strand	-
Start	1	End	1727
Name	OJ000223_13.0412.C5.o1.np	Method	AAT/NAP
Start	1	End	1727
GI	5902444	Score	75
Exons	1..228, 1699..1727		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42170	Seq. ID	OJ000223_13.0412.C5
Gene No.	87657	Strand	-
Start	1	End	1727
Name	OJ000223_13.0412.C5.o2.np	Method	AAT/NAP
Start	1	End	1727
GI	7340868	Score	73
Exons	1..59, 1213..1336, 1644..1727		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42170	Seq. ID	OJ000223_13.0412.C5
Gene No.	87657	Strand	-
Start	1	End	1727
Name	OJ000223_13.0412.C5.o1.gs	Method	GENSCAN
Start	229	End	999
GI	none	Score	.67
Exons	229..363, 994..999		

Seq. No.	42171	Seq. ID	OJ000223_13.0412.C6
Gene No.	87658	Strand	+
Start	1	End	287
Name	OJ000223_13.0412.C6.o1.np	Method	AAT/NAP
Start	1	End	287
GI	7248393	Score	298
Exons	1..287		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	42172	Seq. ID	OJ000223_13.0412.C7
Gene No.	87659	Strand	+
Start	120	End	748
Name	OJ000223_13.0412.C7.o1.np	Method	AAT/NAP
Start	120	End	745
GI	6691191	Score	358
Exons	120..745		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	42172	Seq. ID	OJ000223_13.0412.C7
Gene No.	87659	Strand	+
Start	120	End	748
Name	OJ000223_13.0412.C7.o1.ts	Method	TBLASTX:Soybean
Start	164	End	654
GI	none	Score	128
Exons	164..289, 166..285, 280..546, 291..491, 562..654, 563..652		

Seq. No.	42172	Seq. ID	OJ000223_13.0412.C7
Gene No.	87659	Strand	+
Start	120	End	748
Name	OJ000223_13.0412.C7.o1.tw	Method	TBLASTX:Wheat
Start	175	End	549
GI	none	Score	123
Exons	175..198, 176..289, 232..282, 279..491, 280..549, 289..525		

Seq. No.	42172	Seq. ID	OJ000223_13.0412.C7
Gene No.	87659	Strand	+
Start	120	End	748
Name	OJ000223_13.0412.C7.o1.gs	Method	GENSCAN
Start	543	End	748
GI	none	Score	.91
Exons	543..748		

Seq. No.	42173	Seq. ID	OJ000223_13.0412.C8
Gene No.	87660	Strand	+
Start	386	End	782
Name	OJ000223_13.0412.C8.o1.gs	Method	GENSCAN
Start	386	End	782
GI	none	Score	.82
Exons	386..489, 620..782		

Seq. No.	42173	Seq. ID	OJ000223_13.0412.C8
Gene No.	87661	Strand	-
Start	1	End	999
Name	OJ000223_13.0412.C8.o1.np	Method	AAT/NAP
Start	1	End	999
GI	5852181	Score	106
Exons	1..67, 407..594, 969..999		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	42174	Seq. ID	OJ000223_13.0412.C9
Gene No.	87662	Strand	+
Start	1	End	7594
Name	OJ000223_13.0412.C9.o1.np	Method	AAT/NAP
Start	1	End	7594
GI	5852175	Score	62
Exons	1..20, 4166..4214, 4822..4872, 7484..7594		

GI Descrip. (AL117265) zhb0005.1 [Oryza sativa]

Seq. No.	42174	Seq. ID	OJ000223_13.0412.C9
Gene No.	87662	Strand	+
Start	1	End	7594
Name	OJ000223_13.0412.C9.o1.gp	Method	AAT/GAP
Start	1724	End	4535
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	1724..1760, 4478..4535		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42174	Seq. ID	OJ000223_13.0412.C9
Gene No.	87662	Strand	+
Start	1	End	7594
Name	OJ000223_13.0412.C9.o2.np	Method	AAT/NAP
Start	6880	End	7594
GI	4680203	Score	355
Exons	6880..7594		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	42174	Seq. ID	OJ000223_13.0412.C9
Gene No.	87663	Strand	-
Start	1551	End	1944
Name	OJ000223_13.0412.C9.o1.gs	Method	GENSCAN
Start	1551	End	1944
GI	none	Score	.93
Exons	1551..1606, 1872..1944		

Seq. No.	42174	Seq. ID	OJ000223_13.0412.C9
Gene No.	87664	Strand	-
Start	2997	End	3840
Name	OJ000223_13.0412.C9.o2.gs	Method	GENSCAN
Start	2997	End	3840
GI	none	Score	.65
Exons	2997..3095, 3332..3679, 3757..3840		

Seq. No.	42174	Seq. ID	OJ000223_13.0412.C9
Gene No.	87665	Strand	-
Start	4412	End	5023
Name	OJ000223_13.0412.C9.o2.gp	Method	AAT/GAP
Start	4412	End	5023
GI	uC-osf1M202048c12b1	Score	603
Exons	4412..4476, 4527..4874, 5004..5023		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	42174	Seq. ID	OJ000223_13.0412.C9
Gene No.	87666	Strand	-
Start	5337	End	5600
Name	OJ000223_13.0412.C9.o4.gp	Method	AAT/GAP
Start	5337	End	5600
GI	61605_3.R1084	Score	418
Exons	5337..5600		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	42174	Seq. ID	OJ000223_13.0412.C9
Gene No.	87667	Strand	
Start	7298	End	7590
Name	OJ000223_13.0412.C9.o1.ts	Method	TBLASTX:Soybean
Start	7298	End	7588
GI	none	Score	49
Exons	7298..7345, 7303..7353, 7351..7569, 7352..7588		

Seq. No.	42174	Seq. ID	OJ000223_13.0412.C9
Gene No.	87667	Strand	
Start	7298	End	7590
Name	OJ000223_13.0412.C9.o1.tw	Method	TBLASTX:Wheat
Start	7331	End	7590
GI	none	Score	228
Exons	7331..7588, 7357..7590		

Seq. No.	42175	Seq. ID	OJ000223_13.0412.C10
Gene No.	87668	Strand	+
Start	3402	End	6393
Name	OJ000223_13.0412.C10.o1.np	Method	AAT/NAP
Start	3402	End	6393
GI	6705984	Score	1107
Exons	3402..3506, 4835..6171, 6362..6393		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	42175	Seq. ID	OJ000223_13.0412.C10
Gene No.	87668	Strand	+
Start	3402	End	6393
Name	OJ000223_13.0412.C10.o2.gs	Method	GENSCAN
Start	4663	End	6017
GI	none	Score	.45
Exons	4663..4699, 4798..4873, 4986..5148, 5191..5256, 5527..6017		

Seq. No.	42175	Seq. ID	OJ000223_13.0412.C10
Gene No.	87669	Strand	-
Start	397	End	3968
Name	OJ000223_13.0412.C10.o1.gs	Method	GENSCAN
Start	397	End	3968
GI	none	Score	.63
Exons	397..537, 1278..1498, 1811..1891, 2310..2395, 2838..2895, 2964..3031, 3182..3791, 3923..3968		

Seq. No.	42175	Seq. ID	OJ000223_13.0412.C10
Gene No.	87670	Strand	
Start	5110	End	5601
Name	OJ000223_13.0412.C10.o1.tw	Method	TBLASTX:Wheat
Start	5110	End	5601
GI	none	Score	274
Exons	5110..5391, 5130..5357, 5393..5518, 5393..5539, 5394..5549, 5404..5601		

Seq. No.	42175	Seq. ID	OJ000223_13.0412.C10
Gene No.	87670	Strand	
Start	5110	End	5601
Name	OJ000223_13.0412.C10.o2.ts	Method	TBLASTX:Soybean
Start	5203	End	5559

GI	none	Score	152
Exons	5203..5418, 5226..5420, 5387..5428, 5421..5552, 5422..5553, 5425..5559		
Seq. No.	42175	Seq. ID	OJ000223_13.0412.C10
Gene No.	87670	Strand	
Start	5110	End	5601
Name	OJ000223_13.0412.C10.o2.tm	Method	TBLASTX:Maize
Start	5350	End	5583
GI	none	Score	225
Exons	5350..5583, 5356..5574		
Seq. No.	42175	Seq. ID	OJ000223_13.0412.C10
Gene No.	87671	Strand	
Start	5755	End	5955
Name	OJ000223_13.0412.C10.o1.tm	Method	TBLASTX:Maize
Start	5755	End	5955
GI	none	Score	57
Exons	5755..5808, 5811..5948, 5812..5955		
Seq. No.	42175	Seq. ID	OJ000223_13.0412.C10
Gene No.	87672	Strand	
Start	6160	End	6393
Name	OJ000223_13.0412.C10.o3.tm	Method	TBLASTX:Maize
Start	6160	End	6391
GI	none	Score	197
Exons	6160..6390, 6161..6391		
Seq. No.	42175	Seq. ID	OJ000223_13.0412.C10
Gene No.	87672	Strand	
Start	6160	End	6393
Name	OJ000223_13.0412.C10.o2.tw	Method	TBLASTX:Wheat
Start	6163	End	6391
GI	none	Score	369
Exons	6163..6267, 6164..6391, 6176..6388, 6292..6390		
Seq. No.	42175	Seq. ID	OJ000223_13.0412.C10
Gene No.	87672	Strand	
Start	6160	End	6393
Name	OJ000223_13.0412.C10.o1.ts	Method	TBLASTX:Soybean
Start	6175	End	6393
GI	none	Score	252
Exons	6175..6360, 6176..6352, 6176..6370, 6356..6391, 6358..6393		
Seq. No.	42176	Seq. ID	OJ000223_13.0412.C11
Gene No.	87673	Strand	+
Start	1	End	1115
Name	OJ000223_13.0412.C11.o1.np	Method	AAT/NAP
Start	1	End	771
GI	6705984	Score	1065
Exons	1..771		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	42176	Seq. ID	OJ000223_13.0412.C11
Gene No.	87673	Strand	+
Start	1	End	1115
Name	OJ000223_13.0412.C11.o3.tm	Method	TBLASTX:Maize

Start	22	End	345
GI	none	Score	187
Exons	22..345, 60..200		

Seq. No.	42176	Seq. ID	OJ000223_13.0412.C11
Gene No.	87673	Strand	+
Start	1	End	1115
Name	OJ000223_13.0412.C11.o1.tw	Method	TBLASTX:Wheat
Start	184	End	582
GI	none	Score	443
Exons	184..582, 186..572		

Seq. No.	42176	Seq. ID	OJ000223_13.0412.C11
Gene No.	87673	Strand	+
Start	1	End	1115
Name	OJ000223_13.0412.C11.o1.gs	Method	GENSCAN
Start	220	End	858
GI	none	Score	.6
Exons	220..318, 334..858		

Seq. No.	42176	Seq. ID	OJ000223_13.0412.C11
Gene No.	87673	Strand	+
Start	1	End	1115
Name	OJ000223_13.0412.C11.o2.tm	Method	TBLASTX:Maize
Start	351	End	576
GI	none	Score	225
Exons	351..497, 352..576, 418..570, 537..575		

Seq. No.	42176	Seq. ID	OJ000223_13.0412.C11
Gene No.	87673	Strand	+
Start	1	End	1115
Name	OJ000223_13.0412.C11.o1.tm	Method	TBLASTX:Maize
Start	577	End	1115
GI	none	Score	303
Exons	577..819, 579..746, 832..903, 1026..1115		

Seq. No.	42177	Seq. ID	OJ000223_13.0412.C12
Gene No.	87674	Strand	+
Start	1108	End	1149
Name	OJ000223_13.0412.C12.o1.gs	Method	GENSCAN
Start	1108	End	1149
GI	none	Score	.41
Exons	1108..1149		

Seq. No.	42178	Seq. ID	OJ000223_13.0412.C13
Gene No.	87675	Strand	+
Start	76	End	1155
Name	OJ000223_13.0412.C13.o1.gs	Method	GENSCAN
Start	76	End	1155
GI	none	Score	.79
Exons	76..240, 1012..1155		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87676	Strand	+
Start	4	End	747
Name	OJ000223_13.0412.C16.o1.gs	Method	GENSCAN
Start	4	End	747

GI	none	Score	.41
Exons	4..199, 502..573, 602..747		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o6.tm	Method	TBLASTX:Maize
Start	1602	End	2140
GI	none	Score	43
Exons	1602..1697, 1603..1698, 1615..1698, 1778..1807, 1779..1805, 1780..1806, 1794..2129, 1795..2061, 1803..2126, 1811..2140		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o2.gs	Method	GENSCAN
Start	1652	End	8332
GI	none	Score	.43
Exons	1652..2121, 2219..2317, 2950..3008, 3587..3621, 3729..4012, 4651..5407, 5535..5650, 5861..6568, 6716..6804, 6861..7293, 7484..7543, 7937..8087, 8120..8332		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o2.np	Method	AAT/NAP
Start	4637	End	8532
GI	4680179	Score	4462
Exons	4637..8012, 8046..8532		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o5.tw	Method	TBLASTX:Wheat
Start	4682	End	5015
GI	none	Score	132
Exons	4682..5014, 4746..5015		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o1.tm	Method	TBLASTX:Maize
Start	4862	End	5440
GI	none	Score	220
Exons	4862..5293, 4878..5294, 5294..5440, 5298..5432		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o4.tw	Method	TBLASTX:Wheat
Start	5015	End	5618
GI	none	Score	158
Exons	5015..5284, 5016..5288, 5294..5476, 5294..5494, 5448..5618		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-

Start	1652	End	8532
Name	OJ000223_13.0412.C16.o4.tm	Method	TBLASTX:Maize
Start	5487	End	5779
GI	none	Score	197
Exons	5487..5777, 5491..5778, 5594..5779		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o2.ts	Method	TBLASTX:Soybean
Start	5577	End	5832
GI	none	Score	83
Exons	5577..5780, 5577..5813, 5578..5832		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o1.tw	Method	TBLASTX:Wheat
Start	5625	End	6203
GI	none	Score	230
Exons	5625..6203, 5626..5883, 5631..6092, 5938..6105		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o2.tm	Method	TBLASTX:Maize
Start	6192	End	6546
GI	none	Score	161
Exons	6192..6545, 6198..6545, 6199..6546		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o2.tw	Method	TBLASTX:Wheat
Start	6204	End	6617
GI	none	Score	296
Exons	6204..6617, 6205..6585		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o3.ts	Method	TBLASTX:Soybean
Start	6363	End	6608
GI	none	Score	88
Exons	6363..6608, 6367..6594		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o5.tm	Method	TBLASTX:Maize
Start	6552	End	6898
GI	none	Score	59
Exons	6552..6728, 6701..6898, 6711..6806		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532

Name	OJ000223_13.0412.C16.o6.tw	Method	TBLASTX:Wheat
Start	6618	End	6919
GI	none	Score	89
Exons	6618..6728, 6634..6726, 6701..6919, 6711..6908, 6716..6916, 6850..6918		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o1.ts	Method	TBLASTX:Soybean
Start	6623	End	7027
GI	none	Score	46
Exons	6623..6739, 6633..6728, 6701..6991, 6711..6908, 6719..6991, 6995..7027, 6996..7025		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o3.tm	Method	TBLASTX:Maize
Start	6914	End	7378
GI	none	Score	71
Exons	6914..7378, 6954..7115, 7143..7310		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o3.tw	Method	TBLASTX:Wheat
Start	6968	End	7451
GI	none	Score	264
Exons	6968..7450, 7011..7451		

Seq. No.	42179	Seq. ID	OJ000223_13.0412.C16
Gene No.	87677	Strand	-
Start	1652	End	8532
Name	OJ000223_13.0412.C16.o7.tw	Method	TBLASTX:Wheat
Start	7642	End	7988
GI	none	Score	58
Exons	7642..7734, 7656..7757, 7782..7988, 7867..7938		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87678	Strand	+
Start	1	End	2030
Name	OJ000223_13.0412.C17.o1.np	Method	AAT/NAP
Start	1	End	2030
GI	4680186	Score	304
Exons	1..20, 939..992, 1829..2030		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87679	Strand	+
Start	2947	End	8413
Name	OJ000223_13.0412.C17.o2.np	Method	AAT/NAP
Start	2883	End	3316
GI	4680185	Score	388
Exons	2883..3316		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87679	Strand	+
Start	2947	End	8413
Name	OJ000223_13.0412.C17.o2.gs	Method	GENSCAN
Start	2947	End	7854
GI	none	Score	.44
Exons	2947..3302, 3872..3930, 4236..4409, 4755..5080, 5346..5517, 5818..5976, 6154..6288, 6826..6853, 7047..7854		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87679	Strand	+
Start	2947	End	8413
Name	OJ000223_13.0412.C17.o3.np	Method	AAT/NAP
Start	4724	End	8413
GI	7248394	Score	1691
Exons	4724..5654, 5922..7028, 8376..8413		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87680	Strand	+
Start	8638	End	10673
Name	OJ000223_13.0412.C17.o5.np	Method	AAT/NAP
Start	8638	End	10673
GI	629693	Score	322
Exons	8638..9493, 10619..10673		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87681	Strand	-
Start	138	End	1838
Name	OJ000223_13.0412.C17.o1.gs	Method	GENSCAN
Start	138	End	1838
GI	none	Score	.89
Exons	138..454, 484..703, 1794..1838		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87682	Strand	-
Start	9872	End	11842
Name	OJ000223_13.0412.C17.o4.ts	Method	TBLASTX:Soybean
Start	5616	End	5981
GI	none	Score	122
Exons	5616..5840, 5847..5981		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87682	Strand	-
Start	9872	End	11842
Name	OJ000223_13.0412.C17.o1.tw	Method	TBLASTX:Wheat
Start	5777	End	6175
GI	none	Score	75
Exons	5777..5824, 5784..5834, 5829..6161, 5837..6175, 5837..6133		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17

Gene No.	87682	Strand	-
Start	9872	End	11842
Name	OJ000223_13.0412.C17.o2.tm	Method	TBLASTX:Maize
Start	5832	End	6050
GI	none	Score	256
Exons	5832..6050, 5837..6049		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87682	Strand	-
Start	9872	End	11842
Name	OJ000223_13.0412.C17.o1.tm	Method	TBLASTX:Maize
Start	6051	End	6512
GI	none	Score	465
Exons	6051..6512, 6100..6315, 6198..6350, 6200..6511		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87682	Strand	-
Start	9872	End	11842
Name	OJ000223_13.0412.C17.o2.tw	Method	TBLASTX:Wheat
Start	6177	End	6579
GI	none	Score	190
Exons	6177..6518, 6200..6514, 6538..6579		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87682	Strand	-
Start	9872	End	11842
Name	OJ000223_13.0412.C17.o2.ts	Method	TBLASTX:Soybean
Start	6198	End	6669
GI	none	Score	196
Exons	6198..6479, 6236..6328, 6538..6669, 6549..6656		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87682	Strand	-
Start	9872	End	11842
Name	OJ000223_13.0412.C17.o1.ts	Method	TBLASTX:Soybean
Start	6820	End	7227
GI	none	Score	165
Exons	6820..6984, 6822..6956, 6976..7059, 6977..7060, 7057..7227		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87682	Strand	-
Start	9872	End	11842
Name	OJ000223_13.0412.C17.o3.ts	Method	TBLASTX:Soybean
Start	8663	End	9058
GI	none	Score	208
Exons	8663..9058, 8764..8880		

Seq. No.	42180	Seq. ID	OJ000223_13.0412.C17
Gene No.	87682	Strand	-
Start	9872	End	11842
Name	OJ000223_13.0412.C17.o3.gs	Method	GENSCAN
Start	9872	End	11842
GI	none	Score	.54
Exons	9872..9895, 9957..10114, 10392..10527, 11555..11732, 11773..11842		

Seq. No.	42181	Seq. ID	OJ000223_13.0412.C18

Gene No.	87683	Strand	+
Start	1	End	4540
Name	OJ000223_13.0412.C18.o1.np	Method	AAT/NAP
Start	1	End	637
GI	5295955	Score	381
Exons	1..637		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	42181	Seq. ID	OJ000223_13.0412.C18
Gene No.	87683	Strand	+
Start	1	End	4540
Name	OJ000223_13.0412.C18.o1.gs	Method	GENSCAN
Start	77	End	2038
GI	none	Score	.4
Exons	77..139, 1150..1559, 1594..2038		

Seq. No.	42181	Seq. ID	OJ000223_13.0412.C18
Gene No.	87683	Strand	+
Start	1	End	4540
Name	OJ000223_13.0412.C18.o2.np	Method	AAT/NAP
Start	949	End	2506
GI	6907087	Score	390
Exons	949..1937, 2405..2506		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42181	Seq. ID	OJ000223_13.0412.C18
Gene No.	87683	Strand	+
Start	1	End	4540
Name	OJ000223_13.0412.C18.o4.np	Method	AAT/NAP
Start	2085	End	4540
GI	629693	Score	83
Exons	2085..2119, 4049..4188, 4496..4540		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	42181	Seq. ID	OJ000223_13.0412.C18
Gene No.	87684	Strand	-
Start	2399	End	5272
Name	OJ000223_13.0412.C18.o2.gs	Method	GENSCAN
Start	2399	End	5272
GI	none	Score	.82
Exons	2399..2505, 3201..3254, 3781..3838, 4183..4383, 4646..5272		

Seq. No.	42181	Seq. ID	OJ000223_13.0412.C18
Gene No.	87684	Strand	-
Start	2399	End	5272
Name	OJ000223_13.0412.C18.o3.np	Method	AAT/NAP
Start	2899	End	4848
GI	4680186	Score	217
Exons	2899..3120, 4746..4848		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42182	Seq. ID	OJ000223_13.0412.C19
Gene No.	87685	Strand	-

Start	1	End	1397
Name	OJ000223_13.0412.C19.o1.np	Method	AAT/NAP
Start	1	End	1397
GI	7523686	Score	95
Exons	1..256, 1366..1397		
GI Descrip.	(AC009526) Similar to Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	42183	Seq. ID	OJ000223_13.0412.C20
Gene No.	87686	Strand	-
Start	1227	End	1402
Name	OJ000223_13.0412.C20.o1.gs	Method	GENSCAN
Start	1227	End	1402
GI	none	Score	.41
Exons	1227..1402		

Seq. No.	42184	Seq. ID	OJ000223_13.0412.C21
Gene No.	87687	Strand	+
Start	1	End	1120
Name	OJ000223_13.0412.C21.o1.np	Method	AAT/NAP
Start	1	End	1120
GI	4680183	Score	1601
Exons	1..1120		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42184	Seq. ID	OJ000223_13.0412.C21
Gene No.	87687	Strand	+
Start	1	End	1120
Name	OJ000223_13.0412.C21.o1.gs	Method	GENSCAN
Start	215	End	1101
GI	none	Score	.7
Exons	215..1101		

Seq. No.	42184	Seq. ID	OJ000223_13.0412.C21
Gene No.	87687	Strand	+
Start	1	End	1120
Name	OJ000223_13.0412.C21.o1.tw	Method	TBLASTX:Wheat
Start	660	End	1062
GI	none	Score	259
Exons	660..722, 661..1062		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o1.np	Method	AAT/NAP
Start	1	End	3585
GI	5922631	Score	4441
Exons	1..860, 1452..3585		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+

Start	1	End	3585
Name	OJ000223_13.0412.C22.o1.gs	Method	GENSCAN
Start	48	End	3536
GI	none	Score	.58
Exons	48..852, 949..1222, 1415..1696, 1897..2761, 2828..3536		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o1.tw	Method	TBLASTX:Wheat
Start	200	End	997
GI	none	Score	146
Exons	200..376, 421..657, 425..655, 704..997, 847..993		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o3.ts	Method	TBLASTX:Soybean
Start	917	End	1282
GI	none	Score	127
Exons	917..1141, 1148..1282		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o5.tw	Method	TBLASTX:Wheat
Start	998	End	1306
GI	none	Score	358
Exons	998..1306, 998..1306		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o3.tm	Method	TBLASTX:Maize
Start	1007	End	1349
GI	none	Score	304
Exons	1007..1306, 1046..1291, 1048..1293, 1287..1349		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o2.tm	Method	TBLASTX:Maize
Start	1397	End	1744
GI	none	Score	328
Exons	1397..1744, 1480..1716		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o4.tw	Method	TBLASTX:Wheat
Start	1433	End	1856
GI	none	Score	363
Exons	1433..1765, 1477..1761, 1723..1839, 1726..1851, 1737..1856		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585

Name	OJ000223_13.0412.C22.o1.ts	Method	TBLASTX:Soybean
Start	1520	End	1877
GI	none	Score	192
Exons	1520..1723, 1531..1671, 1544..1672, 1737..1877, 1738..1866		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o7.tw	Method	TBLASTX:Wheat
Start	1862	End	2142
GI	none	Score	43
Exons	1862..1909, 1870..1962, 1921..2142, 2050..2130		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o2.ts	Method	TBLASTX:Soybean
Start	2137	End	2525
GI	none	Score	84
Exons	2137..2241, 2145..2231, 2281..2523, 2286..2525		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o3.tw	Method	TBLASTX:Wheat
Start	2146	End	2568
GI	none	Score	402
Exons	2146..2568, 2148..2492		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o4.tm	Method	TBLASTX:Maize
Start	2200	End	2472
GI	none	Score	111
Exons	2200..2355, 2359..2472		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o8.tw	Method	TBLASTX:Wheat
Start	2584	End	2883
GI	none	Score	135
Exons	2584..2718, 2596..2727, 2624..2731, 2785..2883		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o1.tm	Method	TBLASTX:Maize
Start	2880	End	3243
GI	none	Score	433
Exons	2880..3191, 2881..3204, 3196..3243		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o2.tw	Method	TBLASTX:Wheat

Start	2884	End	3275
GI	none	Score	412
Exons	2884..3042, 2886..3197, 2887..3273, 3088..3273, 3228..3275		

Seq. No.	42185	Seq. ID	OJ000223_13.0412.C22
Gene No.	87688	Strand	+
Start	1	End	3585
Name	OJ000223_13.0412.C22.o6.tw	Method	TBLASTX:Wheat
Start	3304	End	3585
GI	none	Score	238
Exons	3304..3585, 3315..3584		

Seq. No.	42186	Seq. ID	OJ000223_13.0412.C23
Gene No.	87689	Strand	-
Start	1	End	835
Name	OJ000223_13.0412.C23.o1.np	Method	AAT/NAP
Start	1	End	835
GI	6691716	Score	510
Exons	1..150, 229..408, 485..587, 670..835		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42186	Seq. ID	OJ000223_13.0412.C23
Gene No.	87689	Strand	-
Start	1	End	835
Name	OJ000223_13.0412.C23.o1.gs	Method	GENSCAN
Start	245	End	790
GI	none	Score	.8
Exons	245..587, 753..790		

Seq. No.	42187	Seq. ID	OJ000223_13.0412.C25
Gene No.	87690	Strand	-
Start	294	End	1189
Name	OJ000223_13.0412.C25.o1.gs	Method	GENSCAN
Start	294	End	1088
GI	none	Score	.92
Exons	294..960, 1000..1088		

Seq. No.	42187	Seq. ID	OJ000223_13.0412.C25
Gene No.	87690	Strand	-
Start	294	End	1189
Name	OJ000223_13.0412.C25.o1.np	Method	AAT/NAP
Start	521	End	1189
GI	5257279	Score	166
Exons	521..1189		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	42188	Seq. ID	OJ000223_13.0412.C26
Gene No.	87691	Strand	+
Start	402	End	832
Name	OJ000223_13.0412.C26.o1.gs	Method	GENSCAN
Start	402	End	832
GI	none	Score	.43
Exons	402..457, 682..832		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87692	Strand	+
Start	62	End	14405
Name	OJ000223_13.0412.C32.o1.gs	Method	GENSCAN
Start	62	End	11215
GI	none	Score	.62
Exons	62..196, 369..716, 1073..1166, 3339..3410, 3590..3747, 4833..4956, 5018..5216, 6226..6277, 7616..8128, 8612..8849, 9242..9345, 9610..9793, 10031..10668, 10808..11215		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87692	Strand	+
Start	62	End	14405
Name	OJ000223_13.0412.C32.o1.gp	Method	AAT/GAP
Start	6899	End	7410
GI	5867_1.R1084	Score	153
Exons	6899..6932, 7321..7410		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87692	Strand	+
Start	62	End	14405
Name	OJ000223_13.0412.C32.o1.np	Method	AAT/NAP
Start	8612	End	12975
GI	4680179	Score	6248
Exons	8612..12975		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87692	Strand	+
Start	62	End	14405
Name	OJ000223_13.0412.C32.o2.gs	Method	GENSCAN
Start	11587	End	14405
GI	none	Score	.4
Exons	11587..11924, 12090..12259, 12722..12840, 13756..13930, 14022..14087, 14133..14285, 14290..14405		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87693	Strand	+
Start	15048	End	18300
Name	OJ000223_13.0412.C32.o4.np	Method	AAT/NAP
Start	15048	End	17109
GI	6721561	Score	119
Exons	15048..15133, 17076..17109		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32

Gene No.	87693	Strand	+
Start	15048	End	18300
Name	OJ000223_13.0412.C32.o3.gs	Method	GENSCAN
Start	16514	End	18300
GI	none	Score	.41
Exons	16514..16902, 17461..17646, 17763..18300		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87693	Strand	+
Start	15048	End	18300
Name	OJ000223_13.0412.C32.o7.np	Method	AAT/NAP
Start	17717	End	18215
GI	4680183	Score	228
Exons	17717..18215		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87694	Strand	+
Start	20441	End	22380
Name	OJ000223_13.0412.C32.o9.np	Method	AAT/NAP
Start	20441	End	22380
GI	5803259	Score	85
Exons	20441..20664, 22358..22380		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87695	Strand	-
Start	13248	End	13876
Name	OJ000223_13.0412.C32.o2.np	Method	AAT/NAP
Start	13248	End	13876
GI	6721559	Score	299
Exons	13248..13383, 13412..13876		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87696	Strand	-
Start	14926	End	15693
Name	OJ000223_13.0412.C32.o3.np	Method	AAT/NAP
Start	14926	End	15693
GI	4680183	Score	166
Exons	14926..15015, 15623..15693		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87696	Strand	-
Start	14926	End	15693
Name	OJ000223_13.0412.C32.o5.np	Method	AAT/NAP
Start	14926	End	15693
GI	4680183	Score	173
Exons	14926..15015, 15623..15693		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652

Name	OJ000223_13.0412.C32.o7.tw	Method	TBLASTX:Wheat
Start	9103	End	9468
GI	none	Score	234
Exons	9103..9402, 9108..9284, 9388..9468		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o7.tm	Method	TBLASTX:Maize
Start	9106	End	9402
GI	none	Score	191
Exons	9106..9402, 9106..9390, 9123..9287		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o8.tw	Method	TBLASTX:Wheat
Start	9792	End	10146
GI	none	Score	237
Exons	9792..9932, 9793..10146		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o4.tw	Method	TBLASTX:Wheat
Start	10321	End	10780
GI	none	Score	391
Exons	10321..10719, 10395..10667, 10438..10689, 10538..10690, 10673..10780, 10675..10737		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o4.tm	Method	TBLASTX:Maize
Start	10339	End	10622
GI	none	Score	305
Exons	10339..10620, 10416..10622		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o3.tm	Method	TBLASTX:Maize
Start	10673	End	11167
GI	none	Score	151
Exons	10673..10846, 10832..11167, 10918..11049, 10919..11122		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o1.ts	Method	TBLASTX:Soybean
Start	10721	End	11116
GI	none	Score	51
Exons	10721..10753, 10723..10752, 10757..11116, 10760..10837, 10867..11115		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-

Start	18566	End	20652
Name	OJ000223_13.0412.C32.o5.tw	Method	TBLASTX:Wheat
Start	10829	End	11131
GI	none	Score	348
Exons	10829..11131, 10873..11130		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o1.tw	Method	TBLASTX:Wheat
Start	11132	End	11557
GI	none	Score	593
Exons	11132..11557, 11164..11550, 11210..11551		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o3.ts	Method	TBLASTX:Soybean
Start	11138	End	11383
GI	none	Score	185
Exons	11138..11383		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o1.tm	Method	TBLASTX:Maize
Start	11204	End	11560
GI	none	Score	476
Exons	11204..11560, 11206..11550		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o2.tw	Method	TBLASTX:Wheat
Start	11596	End	12123
GI	none	Score	586
Exons	11596..12123, 11742..12122		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o5.tm	Method	TBLASTX:Maize
Start	11772	End	12087
GI	none	Score	259
Exons	11772..12086, 11773..12087		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o1.tc	Method	TBLASTX:Cress
Start	11830	End	12147
GI	none	Score	85
Exons	11830..11997, 12004..12147, 12054..12146		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652

Name	OJ000223_13.0412.C32.o2.ts	Method	TBLASTX:Soybean
Start	11911	End	12171
GI	none	Score	292
Exons	11911..12171, 11916..12170		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o2.tm	Method	TBLASTX:Maize
Start	12088	End	12405
GI	none	Score	436
Exons	12088..12405, 12099..12404		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o3.tw	Method	TBLASTX:Wheat
Start	12129	End	12517
GI	none	Score	468
Exons	12129..12509, 12130..12516, 12137..12517		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o6.tm	Method	TBLASTX:Maize
Start	12405	End	12724
GI	none	Score	85
Exons	12405..12464, 12409..12471, 12469..12522, 12474..12518, 12512..12580, 12579..12614, 12617..12724		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o6.tw	Method	TBLASTX:Wheat
Start	12579	End	12930
GI	none	Score	45
Exons	12579..12614, 12620..12724, 12622..12708, 12712..12930, 12726..12929		

Seq. No.	42189	Seq. ID	OJ000223_13.0412.C32
Gene No.	87697	Strand	-
Start	18566	End	20652
Name	OJ000223_13.0412.C32.o4.gs	Method	GENSCAN
Start	18566	End	20652
GI	none	Score	.51
Exons	18566..18942, 19032..19189, 20006..20125, 20442..20652		

Seq. No.	42190	Seq. ID	OJ000223_13.0412.C33
Gene No.	87698	Strand	+
Start	1	End	529
Name	OJ000223_13.0412.C33.o1.np	Method	AAT/NAP
Start	1	End	529
GI	6742729	Score	330
Exons	1..529		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	42190	Seq. ID	OJ000223_13.0412.C33

Gene No.	87698	Strand	+
Start	1	End	529
Name	OJ000223_13.0412.C33.o1.tw	Method	TBLASTX:Wheat
Start	1	End	465
GI	none	Score	111
Exons	1..111, 2..121, 90..329, 90..416, 115..414, 421..465		

Seq. No.	42190	Seq. ID	OJ000223_13.0412.C33
Gene No.	87698	Strand	+
Start	1	End	529
Name	OJ000223_13.0412.C33.o1.tc	Method	TBLASTX:Cress
Start	159	End	465
GI	none	Score	205
Exons	159..416, 187..414, 421..465		

Seq. No.	42191	Seq. ID	OJ000223_13.0412.C34
Gene No.	87699	Strand	+
Start	454	End	960
Name	OJ000223_13.0412.C34.o1.gs	Method	GENSCAN
Start	454	End	960
GI	none	Score	.56
Exons	454..598, 875..960		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87700	Strand	+
Start	3367	End	5677
Name	OJ000223_13.0412.C35.o1.gs	Method	GENSCAN
Start	3367	End	5677
GI	none	Score	.55
Exons	3367..3451, 3512..3685, 3746..3874, 3915..3998, 4814..5080, 5381..5677		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87701	Strand	+
Start	9813	End	10709
Name	OJ000223_13.0412.C35.o3.gs	Method	GENSCAN
Start	9813	End	10709
GI	none	Score	.87
Exons	9813..10146, 10588..10709		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87702	Strand	+
Start	14449	End	19394
Name	OJ000223_13.0412.C35.o5.gs	Method	GENSCAN
Start	14449	End	19361
GI	none	Score	.5
Exons	14449..14675, 15040..15331, 15424..15892, 16103..16249, 16269..16418, 16441..16570, 16639..16708, 16842..17041, 17253..17583, 17711..18393, 18563..19361		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87702	Strand	+
Start	14449	End	19394
Name	OJ000223_13.0412.C35.o1.np	Method	AAT/NAP
Start	15948	End	19394
GI	7248394	Score	1054
Exons	15948..15983, 17859..18941, 19373..19394		

GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		
Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87702	Strand	+
Start	14449	End	19394
Name	OJ000223_13.0412.C35.o2.np	Method	AAT/NAP
Start	18212	End	19394
GI	4680180	Score	497
Exons	18212..19394		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87703	Strand	-
Start	6344	End	9106
Name	OJ000223_13.0412.C35.o2.gs	Method	GENSCAN
Start	6344	End	9106
GI	none	Score	.41
Exons	6344..6365, 6414..6604, 7730..7980, 8082..8436, 8801..9106		
Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87704	Strand	-
Start	11524	End	13517
Name	OJ000223_13.0412.C35.o4.tm	Method	TBLASTX:Maize
Start	712	End	1002
GI	none	Score	87
Exons	712..810, 820..1002, 826..960		
Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87704	Strand	-
Start	11524	End	13517
Name	OJ000223_13.0412.C35.o2.tw	Method	TBLASTX:Wheat
Start	1079	End	1449
GI	none	Score	129
Exons	1079..1318, 1081..1449		
Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87704	Strand	-
Start	11524	End	13517
Name	OJ000223_13.0412.C35.o2.tm	Method	TBLASTX:Maize
Start	1174	End	1635
GI	none	Score	76
Exons	1174..1260, 1178..1261, 1273..1635, 1427..1633		
Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87704	Strand	-
Start	11524	End	13517
Name	OJ000223_13.0412.C35.o4.gs	Method	GENSCAN
Start	11524	End	13517
GI	none	Score	.53
Exons	11524..11722, 11740..11833, 11896..12239, 12299..12368, 12615..13143, 13284..13517		
Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35

Gene No.	87704	Strand	-
Start	11524	End	13517
Name	OJ000223_13.0412.C35.o5.tw	Method	TBLASTX:Wheat
Start	12904	End	13331
GI	none	Score	81
Exons	12904..13011, 12988..13149, 13137..13199, 13215..13331		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87705	Strand	
Start	17744	End	18632
Name	OJ000223_13.0412.C35.o1.tw	Method	TBLASTX:Wheat
Start	17744	End	18148
GI	none	Score	84
Exons	17744..17806, 17795..18148, 17818..18081		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87705	Strand	
Start	17744	End	18632
Name	OJ000223_13.0412.C35.o3.tm	Method	TBLASTX:Maize
Start	17798	End	18016
GI	none	Score	263
Exons	17798..18016, 17798..17998, 17818..18015		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87705	Strand	
Start	17744	End	18632
Name	OJ000223_13.0412.C35.o1.tm	Method	TBLASTX:Maize
Start	18017	End	18478
GI	none	Score	526
Exons	18017..18478, 18017..18406, 18166..18477		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87705	Strand	
Start	17744	End	18632
Name	OJ000223_13.0412.C35.o4.tw	Method	TBLASTX:Wheat
Start	18149	End	18484
GI	none	Score	199
Exons	18149..18484, 18163..18480		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87705	Strand	
Start	17744	End	18632
Name	OJ000223_13.0412.C35.o2.ts	Method	TBLASTX:Soybean
Start	18167	End	18632
GI	none	Score	207
Exons	18167..18445, 18202..18339, 18507..18632, 18512..18601		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35
Gene No.	87706	Strand	
Start	18783	End	19226
Name	OJ000223_13.0412.C35.o1.ts	Method	TBLASTX:Soybean
Start	18783	End	19193
GI	none	Score	133
Exons	18783..18920, 18785..18934, 18941..19024, 18942..19193, 19072..19095		

Seq. No.	42192	Seq. ID	OJ000223_13.0412.C35

Gene No.	87706	Strand	
Start	18783	End	19226
Name	OJ000223_13.0412.C35.o3.tw	Method	TBLASTX:Wheat
Start	18828	End	19226
GI	none	Score	73
Exons	18828..18917, 18957..19226		

Seq. No.	42193	Seq. ID	OJ000223_13.0412.C36
Gene No.	87707	Strand	+
Start	1	End	1120
Name	OJ000223_13.0412.C36.o1.np	Method	AAT/NAP
Start	1	End	1120
GI	6815052	Score	90
Exons	1..55, 518..630, 1051..1120		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	42193	Seq. ID	OJ000223_13.0412.C36
Gene No.	87707	Strand	+
Start	1	End	1120
Name	OJ000223_13.0412.C36.o2.np	Method	AAT/NAP
Start	768	End	1120
GI	6705984	Score	146
Exons	768..1120		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87708	Strand	+
Start	1	End	4057
Name	OJ000223_13.0412.C37.o2.np	Method	AAT/NAP
Start	1	End	4057
GI	4680179	Score	2685
Exons	1..58, 1715..4057		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87708	Strand	+
Start	1	End	4057
Name	OJ000223_13.0412.C37.o1.gs	Method	GENSCAN
Start	33	End	2543
GI	none	Score	.59
Exons	33..189, 269..768, 796..1162, 2050..2543		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87708	Strand	+
Start	1	End	4057
Name	OJ000223_13.0412.C37.o1.np	Method	AAT/NAP
Start	84	End	1562
GI	6815052	Score	1609
Exons	84..220, 269..1006, 1088..1162, 1444..1562		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87708	Strand	+
Start	1	End	4057
Name	OJ000223_13.0412.C37.o2.gs	Method	GENSCAN
Start	2872	End	3840
GI	none	Score	.99

Exons	2872..3840		
Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o6.tw	Method	TBLASTX:Wheat
Start	1637	End	1772
GI	none	Score	178
Exons	1637..1768, 1638..1772		
Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o1.ts	Method	TBLASTX:Soybean
Start	1763	End	2074
GI	none	Score	397
Exons	1763..2074, 1846..2073		
Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o4.tw	Method	TBLASTX:Wheat
Start	1787	End	2095
GI	none	Score	391
Exons	1787..2095, 1789..2091, 1799..2095		
Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o4.tm	Method	TBLASTX:Maize
Start	1808	End	2156
GI	none	Score	284
Exons	1808..2119, 1876..2088, 2100..2156		
Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o2.tw	Method	TBLASTX:Wheat
Start	2099	End	2516
GI	none	Score	560
Exons	2099..2506, 2100..2516		
Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o3.ts	Method	TBLASTX:Soybean
Start	2100	End	2342
GI	none	Score	210
Exons	2100..2342, 2117..2227, 2282..2341		
Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o2.tm	Method	TBLASTX:Maize
Start	2163	End	2516
GI	none	Score	454
Exons	2163..2516, 2183..2503		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o3.tw	Method	TBLASTX:Wheat
Start	2576	End	3060
GI	none	Score	233
Exons	2576..2857, 2615..2875, 2788..2859, 2847..3056, 2848..3060, 2859..3056		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o2.ts	Method	TBLASTX:Soybean
Start	2860	End	3109
GI	none	Score	279
Exons	2860..3108, 2860..3009, 2886..3107, 2891..3109		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o3.tm	Method	TBLASTX:Maize
Start	2906	End	3198
GI	none	Score	71
Exons	2906..3007, 2908..3192, 2910..3194, 2911..3198		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o1.tw	Method	TBLASTX:Wheat
Start	3067	End	3693
GI	none	Score	685
Exons	3067..3693, 3111..3692		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o1.tm	Method	TBLASTX:Maize
Start	3250	End	3834
GI	none	Score	193
Exons	3250..3408, 3252..3401, 3255..3419, 3317..3403, 3405..3701, 3406..3834		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o5.tw	Method	TBLASTX:Wheat
Start	3693	End	4016
GI	none	Score	154
Exons	3693..3845, 3694..3831, 3846..4016		

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o5.tm	Method	TBLASTX:Maize
Start	3837	End	4004
GI	none	Score	180

Exons 3837..4004, 3837..3995

Seq. No.	42194	Seq. ID	OJ000223_13.0412.C37
Gene No.	87709	Strand	-
Start	4467	End	5020
Name	OJ000223_13.0412.C37.o3.gs	Method	GENSCAN
Start	4467	End	5020
GI	none	Score	.43
Exons	4467..4653, 4887..5020		

Seq. No.	42195	Seq. ID	OJ000223_13.0412.C38
Gene No.	87710	Strand	+
Start	4	End	1660
Name	OJ000223_13.0412.C38.o1.gs	Method	GENSCAN
Start	4	End	1660
GI	none	Score	.47
Exons	4..73, 300..368, 1593..1660		

Seq. No.	42195	Seq. ID	OJ000223_13.0412.C38
Gene No.	87711	Strand	+
Start	3205	End	5431
Name	OJ000223_13.0412.C38.o3.gs	Method	GENSCAN
Start	3205	End	5217
GI	none	Score	.53
Exons	3205..3523, 4206..4398, 5016..5217		

Seq. No.	42195	Seq. ID	OJ000223_13.0412.C38
Gene No.	87711	Strand	+
Start	3205	End	5431
Name	OJ000223_13.0412.C38.o1.np	Method	AAT/NAP
Start	3997	End	5431
GI	4388825	Score	128
Exons	3997..4256, 5385..5431		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42195	Seq. ID	OJ000223_13.0412.C38
Gene No.	87712	Strand	-
Start	2495	End	3080
Name	OJ000223_13.0412.C38.o2.gs	Method	GENSCAN
Start	2495	End	3080
GI	none	Score	.47
Exons	2495..2804, 2830..3051, 3070..3080		

Seq. No.	42195	Seq. ID	OJ000223_13.0412.C38
Gene No.	87713	Strand	-
Start	4252	End	8949
Name	OJ000223_13.0412.C38.o2.np	Method	AAT/NAP
Start	4252	End	8949
GI	6523547	Score	203
Exons	4252..4301, 4816..5065, 7277..7358, 8033..8496, 8578..8949		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	42195	Seq. ID	OJ000223_13.0412.C38
Gene No.	87713	Strand	-
Start	4252	End	8949

Name	OJ000223_13.0412.C38.o3.gp	Method	AAT/GAP
Start	5861	End	6528
GI	83529_1.R1084	Score	1071
Exons	5861..6528		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-79 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	42195	Seq. ID	OJ000223_13.0412.C38
Gene No.	87714	Strand	-
Start	9709	End	11215
Name	OJ000223_13.0412.C38.o3.np	Method	AAT/NAP
Start	9709	End	11215
GI	6063554	Score	99
Exons	9709..9882, 11184..11215		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42196	Seq. ID	OJ000223_13.0412.C42
Gene No.	87715	Strand	-
Start	13	End	1643
Name	OJ000223_13.0412.C42.o1.gs	Method	GENSCAN
Start	13	End	1643
GI	none	Score	.97
Exons	13..138, 217..1103, 1191..1643		

Seq. No.	42197	Seq. ID	OJ000223_13.0412.C43
Gene No.	87716	Strand	-
Start	1	End	1563
Name	OJ000223_13.0412.C43.o1.np	Method	AAT/NAP
Start	1	End	1563
GI	6681183	Score	89
Exons	1..52, 877..1321, 1507..1563		
GI Descrip.	diaphanous homolog 1 (Drosophila) gi|6014968|sp|O08808|DIA1_MOUSE DIAPHANOUS PROTEIN HOMOLOG 1 (P140MDIA) gi|2114473 (U96963) p140mDia [Mus musculus]		

Seq. No.	42198	Seq. ID	OJ000223_13.0412.C44
Gene No.	87717	Strand	-
Start	1171	End	2010
Name	OJ000223_13.0412.C44.o1.gs	Method	GENSCAN
Start	1171	End	1950
GI	none	Score	.74
Exons	1171..1950		

Seq. No.	42198	Seq. ID	OJ000223_13.0412.C44
Gene No.	87717	Strand	-
Start	1171	End	2010
Name	OJ000223_13.0412.C44.o1.np	Method	AAT/NAP
Start	1204	End	2010
GI	4680203	Score	420
Exons	1204..2010		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	42198	Seq. ID	OJ000223_13.0412.C44
Gene No.	87717	Strand	-
Start	1171	End	2010

Name	OJ000223_13.0412.C44.o1.tw	Method	TBLASTX:Wheat
Start	1282	End	1983
GI	none	Score	67
Exons	1282..1401, 1402..1506, 1403..1507, 1525..1578, 1578..1622, 1579..1629, 1645..1785, 1646..1771, 1783..1983, 1793..1930		

Seq. No.	42198	Seq. ID	OJ000223_13.0412.C44
Gene No.	87717	Strand	-
Start	1171	End	2010
Name	OJ000223_13.0412.C44.o1.ts	Method	TBLASTX:Soybean
Start	1375	End	1593
GI	none	Score	93
Exons	1375..1593, 1409..1591		

Seq. No.	42198	Seq. ID	OJ000223_13.0412.C44
Gene No.	87717	Strand	-
Start	1171	End	2010
Name	OJ000223_13.0412.C44.o2.np	Method	AAT/NAP
Start	1700	End	2010
GI	6742729	Score	207
Exons	1700..2010		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	42199	Seq. ID	OJ000303_11.0406.C1
Gene No.	87718	Strand	+
Start	1	End	2535
Name	OJ000303_11.0406.C1.o1.np	Method	AAT/NAP
Start	1	End	2457
GI	5882738	Score	854
Exons	1..562, 1428..1742, 1832..1939, 2130..2457		
GI Descrip.	(AC008263) Contains 3 PF|01535 DUF17 domains. [Arabidopsis thaliana] gi|6646779|gb|AAF21091.1|AC013258_29 (AC013258) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42199	Seq. ID	OJ000303_11.0406.C1
Gene No.	87718	Strand	+
Start	1	End	2535
Name	OJ000303_11.0406.C1.o2.tm	Method	TBLASTX:Maize
Start	194	End	515
GI	none	Score	492
Exons	194..514, 195..515		

Seq. No.	42199	Seq. ID	OJ000303_11.0406.C1
Gene No.	87718	Strand	+
Start	1	End	2535
Name	OJ000303_11.0406.C1.o1.gs	Method	GENSCAN
Start	202	End	2535
GI	none	Score	.87
Exons	202..562, 1428..1742, 1832..1939, 2130..2462, 2502..2535		

Seq. No.	42199	Seq. ID	OJ000303_11.0406.C1
Gene No.	87718	Strand	+
Start	1	End	2535
Name	OJ000303_11.0406.C1.o1.gp	Method	AAT/GAP
Start	328	End	1620
GI	LIB3474-011-P1-K1-C6	Score	803
Exons	328..562, 1428..1620		

GI Descrip. '5882738/gb|AAD55291.1|AC008263_22 4.0e-45 (AC008263) Contains 3 PF_01535 DUF17 domains. [Arabidopsis thaliana]'

Seq. No.	42199	Seq. ID	OJ000303_11.0406.C1
Gene No.	87718	Strand	+
Start	1	End	2535
Name	OJ000303_11.0406.C1.o1.ts	Method	TBLASTX:Soybean
Start	510	End	1743
GI	none	Score	77
Exons	510..563, 1420..1743, 1425..1742		

Seq. No.	42199	Seq. ID	OJ000303_11.0406.C1
Gene No.	87718	Strand	+
Start	1	End	2535
Name	OJ000303_11.0406.C1.o1.tm	Method	TBLASTX:Maize
Start	516	End	2470
GI	none	Score	82
Exons	516..563, 517..564, 518..565, 526..582, 1420..1743, 1425..1742, 1427..1744, 1825..1938, 1830..1940, 1831..1944, 2113..2340, 2116..2298, 2117..2329, 2130..2339, 2257..2313, 2375..2470, 2389..2466		

Seq. No.	42200	Seq. ID	OJ000303_11.0406.C2
Gene No.	87719	Strand	+
Start	14	End	373
Name	OJ000303_11.0406.C2.o1.gp	Method	AAT/GAP
Start	14	End	372
GI	428191	Score	669
Exons	14..372		

Seq. No.	42200	Seq. ID	OJ000303_11.0406.C2
Gene No.	87719	Strand	+
Start	14	End	373
Name	OJ000303_11.0406.C2.o1.gs	Method	GENSCAN
Start	86	End	373
GI	none	Score	1
Exons	86..373		

Seq. No.	42200	Seq. ID	OJ000303_11.0406.C2
Gene No.	87719	Strand	+
Start	14	End	373
Name	OJ000303_11.0406.C2.o1.np	Method	AAT/NAP
Start	92	End	304
GI	7267650	Score	201
Exons	92..304		
GI Descrip.	(AL161515) putative protein [Arabidopsis thaliana]		

Seq. No.	42200	Seq. ID	OJ000303_11.0406.C2
Gene No.	87720	Strand	+
Start	1568	End	1909
Name	OJ000303_11.0406.C2.o1.tm	Method	TBLASTX:Maize
Start	83	End	379
GI	none	Score	258
Exons	83..256, 109..225, 347..379		

Seq. No.	42200	Seq. ID	OJ000303_11.0406.C2
Gene No.	87720	Strand	+

Start	1568	End	1909
Name	OJ000303_11.0406.C2.o1.tc	Method	TBLASTX:Cress
Start	95	End	256
GI	none	Score	187
Exons	95..256, 115..225		

Seq. No.	42200	Seq. ID	OJ000303_11.0406.C2
Gene No.	87720	Strand	+
Start	1568	End	1909
Name	OJ000303_11.0406.C2.o1.ts	Method	TBLASTX:Soybean
Start	104	End	256
GI	none	Score	200
Exons	104..256, 115..225		

Seq. No.	42200	Seq. ID	OJ000303_11.0406.C2
Gene No.	87720	Strand	+
Start	1568	End	1909
Name	OJ000303_11.0406.C2.o2.gp	Method	AAT/GAP
Start	1568	End	1909
GI	LIB3433-046-P1-K1-E4	Score	602
Exons	1568..1909		
GI Descrip.	'4249382/gb|AAD14479| 1.0e-26 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]'		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87721	Strand	+
Start	62	End	12292
Name	OJ000303_11.0406.C3.o1.gs	Method	GENSCAN
Start	62	End	1110
GI	none	Score	.87
Exons	62..136, 649..701, 822..1110		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87721	Strand	+
Start	62	End	12292
Name	OJ000303_11.0406.C3.o1.np	Method	AAT/NAP
Start	856	End	3675
GI	7484830	Score	358
Exons	856..1688, 1800..1899, 3646..3675		
GI Descrip.	calmodulin-binding protein homolog F14M19.80 - Arabidopsis thaliana gi|4539298|emb|CAB39601.1| (AL049480) putative calmodulin-binding protein [Arabidopsis thaliana] gi|7269431|emb|CAB79435.1| (AL161564) putative calmodulin-binding protein [Arabidopsis thaliana]		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87721	Strand	+
Start	62	End	12292
Name	OJ000303_11.0406.C3.o1.gp	Method	AAT/GAP
Start	1029	End	1681
GI	2798662	Score	785
Exons	1029..1206, 1419..1681		
GI Descrip.	4539298/emb|CAB39601.1| 1.0e-09 (AL049480) putative calmodulin-binding protein [Arabidopsis thaliana]		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3

Gene No.	87721	Strand	+
Start	62	End	12292
Name	OJ000303_11.0406.C3.o2.gs	Method	GENSCAN
Start	1508	End	11969
GI	none	Score	.75
Exons	1508..1681, 1793..1899, 4053..4320, 4400..5086, 5201..5301, 5410..5485, 5572..5631, 5709..5893, 6039..6135, 6231..6317, 6422..6480, 6530..6681, 7194..7271, 7370..7530, 7622..7899, 8556..8634, 9107..9502, 11487..11969		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87721	Strand	+
Start	62	End	12292
Name	OJ000303_11.0406.C3.o2.np	Method	AAT/NAP
Start	4498	End	7836
GI	4249382	Score	1718
Exons	4498..4620, 4726..4823, 4910..5086, 5186..5301, 5410..5485, 5572..5631, 5709..5893, 6039..6135, 6231..6317, 6422..6480, 6590..6681, 7194..7271, 7370..7530, 7622..7836		
GI Descrip.	(AC005966) Strong similarity to gi|3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb|AC004481. [Arabidopsis thaliana]		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87721	Strand	+
Start	62	End	12292
Name	OJ000303_11.0406.C3.o2.gp	Method	AAT/GAP
Start	4971	End	5741
GI	568502	Score	685
Exons	4971..5086, 5201..5301, 5410..5485, 5572..5631, 5709..5741		
GI Descrip.	4249382/gb|AAD14479| 1.0e-26 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87721	Strand	+
Start	62	End	12292
Name	OJ000303_11.0406.C3.o3.gp	Method	AAT/GAP
Start	7680	End	8179
GI	82678_1.R1084	Score	968
Exons	7680..8179		
GI Descrip.	'4249382/gb|AAD14479| 5.0e-14 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]'		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87721	Strand	+
Start	62	End	12292
Name	OJ000303_11.0406.C3.o4.gp	Method	AAT/GAP
Start	9059	End	12292
GI	46887_1.R1084	Score	1998
Exons	9059..9151, 9305..9502, 11487..12292		
GI Descrip.	'3024501/sp|Q40193|R11C_LOTJA 5.0e-71 RAS-RELATED PROTEIN RAB11C >gi_1370146_emb_CAA98179_ (Z73951) RAB11C [Lotus japonicus]'		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87721	Strand	+

Start	62	End	12292
Name	OJ000303_11.0406.C3.o3.np	Method	AAT/NAP
Start	9338	End	11966
GI	3024501	Score	918
Exons	9338..9502, 11487..11966		
GI Descrip.	RAS-RELATED PROTEIN RAB11C gi|1370146|emb|CAA98179| (Z73951) RAB11C [Lotus japonicus]		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87722	Strand	-
Start	12520	End	12693
Name	OJ000303_11.0406.C3.o5.gp	Method	AAT/GAP
Start	12520	End	12693
GI	LIB3474-009-P1-K1-F11	Score	224
Exons	12520..12693		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o3.ts	Method	TBLASTX:Soybean
Start	843	End	1639
GI	none	Score	183
Exons	843..1124, 844..1107, 1103..1213, 1104..1211, 1481..1639, 1490..1576		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o5.tm	Method	TBLASTX:Maize
Start	844	End	1669
GI	none	Score	190
Exons	844..1107, 864..1103, 1113..1211, 1121..1204, 1480..1593, 1481..1669		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o4.tm	Method	TBLASTX:Maize
Start	2139	End	2342
GI	none	Score	265
Exons	2139..2342, 2139..2330, 2150..2332		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o1.ts	Method	TBLASTX:Soybean
Start	4539	End	12255
GI	none	Score	114
Exons	4539..4619, 4734..4823, 4742..4825, 4909..5085, 4910..5086, 5195..5302, 5399..5470, 5422..5469, 5453..5491, 5571..5627, 5572..5631, 5705..5872, 5706..5873, 6039..6131, 6039..6134, 6040..6135, 6106..6162, 6221..6316, 6222..6338, 6225..6317, 6298..6321, 6421..6480, 6421..6480, 6590..6694, 6591..6698, 7184..7273, 7189..7272, 7342..7530, 7368..7544, 7621..7737, 7622..7750, 7734..7847, 7735..7848, 12193..12255		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o3.tc	Method	TBLASTX:Cress
Start	4539	End	5290
GI	none	Score	127
Exons	4539..4619, 4734..4823, 4742..4810, 4909..5079, 4910..5086, 5198..5290		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o3.tm	Method	TBLASTX:Maize
Start	4572	End	5765
GI	none	Score	88
Exons	4572..4619, 4587..4619, 4734..4823, 4742..4825, 4909..5100, 4910..5083, 5201..5302, 5203..5304, 5399..5482, 5453..5491, 5571..5624, 5572..5619, 5697..5765		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o4.tc	Method	TBLASTX:Cress
Start	5706	End	6275
GI	none	Score	199
Exons	5706..5894, 5744..5893, 6027..6128, 6038..6127, 6039..6134, 6040..6135, 6221..6274, 6222..6275		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o2.tm	Method	TBLASTX:Maize
Start	5766	End	7829
GI	none	Score	206
Exons	5766..5894, 5777..5893, 5781..5894, 5785..5895, 6004..6135, 6039..6134, 6040..6135, 6221..6316, 6222..6317, 6225..6317, 6229..6321, 6230..6322, 6377..6478, 6421..6480, 6421..6480, 6590..6694, 6591..6698, 6591..6722, 7184..7276, 7189..7275, 7196..7276, 7218..7283, 7357..7530, 7368..7544, 7621..7749, 7622..7750, 7622..7750, 7734..7799, 7734..7829, 7735..7827		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o2.tc	Method	TBLASTX:Cress
Start	6282	End	7885
GI	none	Score	64
Exons	6282..6317, 6445..6480, 6593..6694, 6603..6698, 6612..6695, 7184..7273, 7189..7272, 7342..7530, 7368..7547, 7621..7737, 7622..7750, 7622..7756, 7734..7832, 7735..7833, 7748..7885		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o2.tw	Method	TBLASTX:Wheat
Start	6641	End	7750

GI	none	Score	73
Exons	6641..6697, 6642..6698, 7183..7272, 7184..7273, 7351..7530, 7368..7544, 7621..7746, 7622..7750		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o2.ts	Method	TBLASTX:Soybean
Start	9335	End	11969
GI	none	Score	280
Exons	9335..9505, 9337..9495, 11481..11885, 11484..11726, 11489..11884, 11504..11917, 11790..11891, 11841..11969, 11849..11962, 11893..11967, 11901..11969		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o1.tc	Method	TBLASTX:Cress
Start	9337	End	11987
GI	none	Score	269
Exons	9337..9495, 9338..9505, 11480..11827, 11484..11909, 11484..11726, 11489..11884, 11772..11897, 11880..11987		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	9337	End	11969
GI	none	Score	278
Exons	9337..9501, 9338..9505, 11481..11966, 11486..11884, 11847..11969		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o3.tw	Method	TBLASTX:Wheat
Start	9337	End	9505
GI	none	Score	284
Exons	9337..9504, 9338..9505		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o1.tw	Method	TBLASTX:Wheat
Start	11487	End	11896
GI	none	Score	452
Exons	11487..11867, 11504..11896		

Seq. No.	42201	Seq. ID	OJ000303_11.0406.C3
Gene No.	87723	Strand	-
Start	13920	End	14114
Name	OJ000303_11.0406.C3.o3.gs	Method	GENSCAN
Start	13920	End	14114
GI	none	Score	.77
Exons	13920..14114		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87724	Strand	+

Start	10098	End	13371
Name	OJ000303_11.0406.C5.o2.np	Method	AAT/NAP
Start	10098	End	13371
GI	7363274	Score	202
Exons	10098..10122, 13094..13371		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F17A8; putative protein. (AL049482) [Oryza sativa]		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87724	Strand	+
Start	10098	End	13371
Name	OJ000303_11.0406.C5.o1.np	Method	AAT/NAP
Start	10380	End	12590
GI	4895194	Score	1497
Exons	10380..10527, 10661..10878, 10968..11491, 11780..12590		
GI Descrip.	(AC007661) putative peptide/amino acid transporter [Arabidopsis thaliana]		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87725	Strand	+
Start	19525	End	26340
Name	OJ000303_11.0406.C5.o3.np	Method	AAT/NAP
Start	19525	End	19740
GI	560610	Score	240
Exons	19525..19740		
GI Descrip.	trypsin inhibitor, WTI [Triticum aestivum=wheat, variety San Pastore, endosperm, Peptide, 71 aa]		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87725	Strand	+
Start	19525	End	26340
Name	OJ000303_11.0406.C5.o5.np	Method	AAT/NAP
Start	19606	End	23473
GI	5441880	Score	389
Exons	19606..19679, 23232..23473		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87725	Strand	+
Start	19525	End	26340
Name	OJ000303_11.0406.C5.o1.gp	Method	AAT/GAP
Start	21926	End	22077
GI	7406_1.R1084	Score	222
Exons	21926..22077		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87725	Strand	+
Start	19525	End	26340
Name	OJ000303_11.0406.C5.o4.gs	Method	GENSCAN
Start	22527	End	23752
GI	none	Score	.47
Exons	22527..23082, 23187..23456, 23592..23752		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87725	Strand	+
Start	19525	End	26340
Name	OJ000303_11.0406.C5.o4.np	Method	AAT/NAP
Start	22527	End	26340
GI	7228442	Score	999
Exons	22527..23135, 26307..26340		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87725	Strand	+
Start	19525	End	26340
Name	OJ000303_11.0406.C5.o6.np	Method	AAT/NAP
Start	22527	End	23826
GI	7228442	Score	999
Exons	22527..23132, 23806..23826		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87725	Strand	+
Start	19525	End	26340
Name	OJ000303_11.0406.C5.o2.gp	Method	AAT/GAP
Start	23577	End	24030
GI	LIB3431-045-P1-N1-A10	Score	852
Exons	23577..24030		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87725	Strand	+
Start	19525	End	26340
Name	OJ000303_11.0406.C5.o5.gs	Method	GENSCAN
Start	24680	End	25577
GI	none	Score	.49
Exons	24680..24698, 24937..25029, 25354..25577		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87726	Strand	+
Start	26708	End	30143
Name	OJ000303_11.0406.C5.o6.gs	Method	GENSCAN
Start	26708	End	29490
GI	none	Score	.76
Exons	26708..26953, 26995..27072, 27993..28059, 28157..28281, 29413..29490		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87726	Strand	+
Start	26708	End	30143
Name	OJ000303_11.0406.C5.o8.np	Method	AAT/NAP
Start	28157	End	30143
GI	4454470	Score	104
Exons	28157..28281, 29957..30143		
GI Descrip.	(AC006234) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87727	Strand	-
Start	23177	End	24389
Name	OJ000303_11.0406.C5.o3.ts	Method	TBLASTX:Soybean
Start	10437	End	11096
GI	none	Score	123
Exons	10437..10526, 10451..10537, 10608..10799, 10663..10875, 11031..11096		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87727	Strand	-
Start	23177	End	24389
Name	OJ000303_11.0406.C5.o1.tc	Method	TBLASTX:Cress
Start	10440	End	12563
GI	none	Score	96
Exons	10440..10526, 10666..10872, 11024..11041, 11043..11255, 11048..11254, 11325..11453, 11778..11813, 11835..12014, 11997..12215, 12201..12434, 12215..12325, 12444..12563		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87727	Strand	-
Start	23177	End	24389
Name	OJ000303_11.0406.C5.o1.tw	Method	TBLASTX:Wheat
Start	10729	End	11126
GI	none	Score	183
Exons	10729..10875, 10740..10889, 10962..11015, 11003..11095, 11031..11126, 11034..11102, 11036..11110		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87727	Strand	-
Start	23177	End	24389
Name	OJ000303_11.0406.C5.o2.tm	Method	TBLASTX:Maize
Start	11034	End	12017
GI	none	Score	191
Exons	11034..11255, 11036..11254, 11325..11438, 11339..11419, 11838..12017		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87727	Strand	-
Start	23177	End	24389
Name	OJ000303_11.0406.C5.o2.ts	Method	TBLASTX:Soybean
Start	11100	End	11441
GI	none	Score	323
Exons	11100..11441, 11153..11386		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87727	Strand	-
Start	23177	End	24389
Name	OJ000303_11.0406.C5.o1.ts	Method	TBLASTX:Soybean
Start	11874	End	12569
GI	none	Score	319
Exons	11874..12209, 11894..12022, 12221..12325, 12222..12434, 12429..12569		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87727	Strand	-

Start	23177	End	24389
Name	OJ000303_11.0406.C5.o1.tm	Method	TBLASTX:Maize
Start	12123	End	12509
GI	none	Score	81
Exons	12123..12209, 12162..12509, 12197..12325		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87727	Strand	-
Start	23177	End	24389
Name	OJ000303_11.0406.C5.o2.tw	Method	TBLASTX:Wheat
Start	12245	End	12563
GI	none	Score	203
Exons	12245..12325, 12246..12443, 12432..12563		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87727	Strand	-
Start	23177	End	24389
Name	OJ000303_11.0406.C5.o4.tm	Method	TBLASTX:Maize
Start	19545	End	19728
GI	none	Score	170
Exons	19545..19679, 19546..19638, 19577..19681, 19615..19728		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87727	Strand	-
Start	23177	End	24389
Name	OJ000303_11.0406.C5.o7.np	Method	AAT/NAP
Start	23177	End	24389
GI	6721543	Score	97
Exons	23177..23217, 23536..23611, 24261..24389		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	42202	Seq. ID	OJ000303_11.0406.C5
Gene No.	87728	Strand	
Start	24648	End	26445
Name	OJ000303_11.0406.C5.o3.tm	Method	TBLASTX:Maize
Start	24648	End	26445
GI	none	Score	219
Exons	24648..24782, 24650..24790, 24653..24790, 24664..24807, 24773..24814, 24849..24899, 26281..26445, 26283..26444, 26284..26445		

Seq. No.	42203	Seq. ID	OJ000303_11.0406.C6
Gene No.	87729	Strand	+
Start	1	End	1526
Name	OJ000303_11.0406.C6.o1.np	Method	AAT/NAP
Start	1	End	1526
GI	6714427	Score	505
Exons	1..259, 528..575, 682..744, 892..976, 1179..1273, 1347..1526		
GI Descrip.	(AC012328) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42203	Seq. ID	OJ000303_11.0406.C6
Gene No.	87729	Strand	+
Start	1	End	1526
Name	OJ000303_11.0406.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	262
GI	none	Score	248
Exons	1..258, 2..262		

Seq. No.	42203	Seq. ID	OJ000303_11.0406.C6
Gene No.	87729	Strand	+
Start	1	End	1526
Name	OJ000303_11.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	268
GI	none	Score	269
Exons	1..258, 2..268		

Seq. No.	42203	Seq. ID	OJ000303_11.0406.C6
Gene No.	87729	Strand	+
Start	1	End	1526
Name	OJ000303_11.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	713
GI	none	Score	174
Exons	1..258, 1..258, 2..262, 516..575, 520..597, 525..575, 672..713, 681..713		

Seq. No.	42203	Seq. ID	OJ000303_11.0406.C6
Gene No.	87729	Strand	+
Start	1	End	1526
Name	OJ000303_11.0406.C6.o1.gs	Method	GENSCAN
Start	155	End	1484
GI	none	Score	.88
Exons	155..259, 682..744, 892..972, 1175..1273, 1347..1484		

Seq. No.	42203	Seq. ID	OJ000303_11.0406.C6
Gene No.	87729	Strand	+
Start	1	End	1526
Name	OJ000303_11.0406.C6.o1.gp	Method	AAT/GAP
Start	195	End	1403
GI	LIB3434-004-P1-K1-G12	Score	659
Exons	195..259, 528..575, 682..744, 892..972, 1175..1273, 1347..1403		
GI Descrip.	'3915309/sp|O52733|XYLT_LACBR 5.0e-11 D-XYLOSE-PROTON SYMPORT (D-XYLOSE TRANSPORTER) >gi_2895856 (AF045552) D-xylose proton-symporter [Lactobacillus brevis]'		

Seq. No.	42203	Seq. ID	OJ000303_11.0406.C6
Gene No.	87729	Strand	+
Start	1	End	1526
Name	OJ000303_11.0406.C6.o2.tc	Method	TBLASTX:Cress
Start	886	End	1484
GI	none	Score	95
Exons	886..975, 1178..1276, 1180..1275, 1338..1484, 1346..1477		

Seq. No.	42203	Seq. ID	OJ000303_11.0406.C6
Gene No.	87729	Strand	+
Start	1	End	1526
Name	OJ000303_11.0406.C6.o2.ts	Method	TBLASTX:Soybean
Start	1174	End	1481
GI	5057520	Score	133
Exons	1174..1284, 1175..1285, 1329..1481, 1341..1451, 1343..1477		
GI Descrip.	-		

Seq. No.	42203	Seq. ID	OJ000303_11.0406.C6
Gene No.	87729	Strand	+
Start	1	End	1526

Name	OJ000303_11.0406.C6.o2.tm	Method	TBLASTX:Maize
Start	1208	End	1486
GI	none	Score	96
Exons	1208..1276, 1213..1275, 1344..1484, 1346..1486, 1346..1480, 1353..1484		

Seq. No.	42204	Seq. ID	OJ000303_11.0406.C7
Gene No.	87730	Strand	-
Start	1280	End	1611
Name	OJ000303_11.0406.C7.o2.gs	Method	GENSCAN
Start	1280	End	1611
GI	none	Score	.44
Exons	1280..1466, 1604..1611		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87731	Strand	+
Start	3649	End	6307
Name	OJ000303_11.0406.C8.o2.np	Method	AAT/NAP
Start	3649	End	6268
GI	7446441	Score	1530
Exons	3649..3773, 4360..6268		
GI Descrip.	probable serine/threonine-specific protein kinase F13M22.21 (EC 2.7.1.-) - Arabidopsis thaliana gi|3236253|gb|AAC23641.1| (AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87731	Strand	+
Start	3649	End	6307
Name	OJ000303_11.0406.C8.o1.gs	Method	GENSCAN
Start	4202	End	6307
GI	none	Score	1
Exons	4202..6307		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87731	Strand	+
Start	3649	End	6307
Name	OJ000303_11.0406.C8.o1.gp	Method	AAT/GAP
Start	5044	End	5522
GI	uC-osroM202001c02a1	Score	779
Exons	5044..5522		
GI Descrip.	'4972051/emb|CAB43919.1| 1.0e-26 (AL078470) serine/threonine-specific kinase like protein [Arabidopsis thaliana]'		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87732	Strand	+
Start	19625	End	19900
Name	OJ000303_11.0406.C8.o5.gs	Method	GENSCAN
Start	19625	End	19900
GI	none	Score	.86
Exons	19625..19900		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87733	Strand	+
Start	21518	End	25518
Name	OJ000303_11.0406.C8.o7.np	Method	AAT/NAP

Start	21518	End	25323
GI	7485430	Score	869
Exons	21518..21595, 22926..23105, 23739..24010, 24098..24158, 24205..24314, 24626..24687, 24897..25020, 25207..25323		
GI Descrip.	hypothetical protein F13M22.16 - Arabidopsis thaliana gi|3236248|gb|AAC23636.1| (AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87733	Strand	+
Start	21518	End	25518
Name	OJ000303_11.0406.C8.o6.gp	Method	AAT/GAP
Start	22976	End	25518
GI	29574_1.R1084	Score	1912
Exons	22976..23105, 23739..24010, 24098..24134, 24217..24314, 24626..24687, 24897..25020, 25207..25518		
GI Descrip.	'3236248 1.0e-116 (AC004684) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87733	Strand	+
Start	21518	End	25518
Name	OJ000303_11.0406.C8.o7.gs	Method	GENSCAN
Start	23045	End	25326
GI	none	Score	.83
Exons	23045..23105, 23739..23963, 24217..24314, 24626..24687, 24897..25020, 25207..25326		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87734	Strand	+
Start	40967	End	43438
Name	OJ000303_11.0406.C8.o7.gp	Method	AAT/GAP
Start	40937	End	41298
GI	82060_1.R1084	Score	642
Exons	40937..41298		
GI Descrip.	'5419927/emb|CAB46492.1| 2.0e-36 (AJ243340) expansin9 [Lycopersicon esculentum]'		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87734	Strand	+
Start	40967	End	43438
Name	OJ000303_11.0406.C8.o10.gs	Method	GENSCAN
Start	40967	End	43127
GI	none	Score	.81
Exons	40967..41451, 42818..43127		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87734	Strand	+
Start	40967	End	43438
Name	OJ000303_11.0406.C8.o9.np	Method	AAT/NAP
Start	40967	End	43124
GI	7407663	Score	1422
Exons	40967..41451, 42818..43124		
GI Descrip.	(AF247164) alpha-expansin OsEXP7 [Oryza sativa]		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87734	Strand	+

Start	40967	End	43438
Name	OJ000303_11.0406.C8.o8.gp	Method	AAT/GAP
Start	42939	End	43438
GI	3762780	Score	919
Exons	42939..43438		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87735	Strand	+
Start	44080	End	44359
Name	OJ000303_11.0406.C8.o9.gp	Method	AAT/GAP
Start	44080	End	44359
GI	3763004	Score	531
Exons	44080..44359		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87736	Strand	-
Start	345	End	3003
Name	OJ000303_11.0406.C8.o1.np	Method	AAT/NAP
Start	345	End	3003
GI	7106528	Score	117
Exons	345..457, 2935..3003		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87737	Strand	-
Start	6169	End	6572
Name	OJ000303_11.0406.C8.o2.gp	Method	AAT/GAP
Start	6169	End	6572
GI	none	Score	792
Exons	6169..6572		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87738	Strand	-
Start	7103	End	9915
Name	OJ000303_11.0406.C8.o3.np	Method	AAT/NAP
Start	7103	End	9915
GI	3283026	Score	908
Exons	7103..7164, 7283..7462, 7555..7759, 7986..9262, 9333..9485, 9603..9915		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87739	Strand	-
Start	11162	End	12486
Name	OJ000303_11.0406.C8.o3.gs	Method	GENSCAN
Start	11162	End	12346
GI	none	Score	.92
Exons	11162..11371, 11528..11622, 11882..12053, 12135..12255, 12282..12346		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87739	Strand	-
Start	11162	End	12486
Name	OJ000303_11.0406.C8.o4.np	Method	AAT/NAP
Start	11958	End	12254
GI	886414	Score	120

Exons	11958..12053, 12135..12254		
GI Descrip.	(L42549) TCJ2 [Trypanosoma cruzi]		
Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87739	Strand	-
Start	11162	End	12486
Name	OJ000303_11.0406.C8.o3.gp	Method	AAT/GAP
Start	11995	End	12486
GI	LIB3474-011-P1-K1-D8	Score	778
Exons	11995..12053, 12135..12486		
GI Descrip.	'3603461 8.0e-11 (AF088982) heat shock protein hsp40-3 [Homo sapiens]'		
Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87740	Strand	-
Start	12734	End	18775
Name	OJ000303_11.0406.C8.o4.gp	Method	AAT/GAP
Start	12734	End	15613
GI	2111_1.R1084	Score	2686
Exons	12734..13461, 13784..13886, 13991..14212, 14302..14352, 14875..15017, 15444..15613		
GI Descrip.	'3928869 5.0e-19 (AF093420) Hsp70 binding protein HspBP1 [Homo sapiens]'		
Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87740	Strand	-
Start	12734	End	18775
Name	OJ000303_11.0406.C8.o4.gs	Method	GENSCAN
Start	12933	End	18775
GI	none	Score	.57
Exons	12933..13461, 13784..13886, 13991..14212, 14302..14352, 14875..15017, 15444..15658, 16263..16344, 16612..16725, 17045..17522, 18478..18775		
Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87740	Strand	-
Start	12734	End	18775
Name	OJ000303_11.0406.C8.o5.np	Method	AAT/NAP
Start	12969	End	15535
GI	6478927	Score	1051
Exons	12969..13461, 13784..13886, 13991..14212, 14302..14352, 14875..15089, 15444..15535		
GI Descrip.	(AC011436) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87741	Strand	-
Start	20976	End	22745
Name	OJ000303_11.0406.C8.o6.np	Method	AAT/NAP
Start	20796	End	22745
GI	5821280	Score	552
Exons	20796..20902, 21008..21266, 22163..22264, 22356..22418, 22488..22574, 22665..22745		
GI Descrip.	(AB024526) FtsJ [Arabidopsis thaliana]		
Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87741	Strand	-
Start	20976	End	22745

Name	OJ000303_11.0406.C8.o6.gs	Method	GENSCAN
Start	20976	End	22745
GI	none	Score	.66
Exons	20976..21266, 22163..22269, 22331..22418, 22488..22574, 22665..22745		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o7.ts	Method	TBLASTX:Soybean
Start	4360	End	4882
GI	none	Score	124
Exons	4360..4554, 4388..4555, 4622..4882		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o1.tc	Method	TBLASTX:Cress
Start	4388	End	6142
GI	none	Score	108
Exons	4388..4630, 4628..4774, 4714..4776, 4786..5025, 4787..5032, 5216..5293, 5243..5302, 5297..5551, 5308..5442, 5572..5802, 5573..5932, 5996..6142, 6055..6141		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o4.tw	Method	TBLASTX:Wheat
Start	4627	End	4998
GI	none	Score	104
Exons	4627..4758, 4628..4774, 4789..4998, 4790..4972		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o10.tm	Method	TBLASTX:Maize
Start	4691	End	5059
GI	none	Score	83
Exons	4691..4768, 4708..4764, 4786..5025, 4787..5059		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o2.ts	Method	TBLASTX:Soybean
Start	5282	End	5785
GI	none	Score	34
Exons	5282..5302, 5297..5557, 5308..5463, 5518..5556, 5558..5785, 5575..5784		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o1.tw	Method	TBLASTX:Wheat
Start	5296	End	5728
GI	none	Score	232
Exons	5296..5463, 5297..5569, 5573..5728		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o1.tm	Method	TBLASTX:Maize
Start	5326	End	5899
GI	none	Score	306
Exons	5326..5463, 5330..5566, 5345..5500, 5542..5592, 5573..5899, 5597..5704, 5608..5802, 5840..5899		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o8.ts	Method	TBLASTX:Soybean
Start	5801	End	6115
GI	none	Score	135
Exons	5801..5992, 5840..5947, 5993..6115		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o3.tc	Method	TBLASTX:Cress
Start	7554	End	9804
GI	none	Score	80
Exons	7554..7757, 7554..7757, 7555..7761, 8173..8265, 8290..8427, 8500..8826, 8884..9237, 8906..9025, 9086..9208, 9625..9804		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o7.tm	Method	TBLASTX:Maize
Start	7996	End	8262
GI	none	Score	275
Exons	7996..8262, 7997..8257, 8008..8262		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o11.tm	Method	TBLASTX:Maize
Start	11927	End	12243
GI	none	Score	84
Exons	11927..12055, 11958..12065, 11985..12053, 12126..12233, 12128..12193, 12135..12233, 12136..12243, 12166..12240		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o4.ts	Method	TBLASTX:Soybean
Start	12984	End	15517
GI	none	Score	109
Exons	12984..13076, 13083..13463, 13086..13268, 13213..13464, 13783..13893, 13992..14213, 13993..14214, 14303..14353, 14307..14354, 14867..15019, 14871..15023, 14871..15020, 15464..15517		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202

Name	OJ000303_11.0406.C8.o8.tm	Method	TBLASTX:Maize
Start	13008	End	13893
GI	none	Score	166
Exons	13008..13079, 13071..13463, 13135..13392, 13293..13463, 13781..13885, 13783..13893		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o5.tm	Method	TBLASTX:Maize
Start	14004	End	15521
GI	none	Score	303
Exons	14004..14213, 14005..14214, 14287..14355, 14302..14358, 14867..15019, 14871..15029, 14871..15020, 14881..15024, 15444..15521, 15444..15509, 15445..15513, 15464..15520		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o6.tm	Method	TBLASTX:Maize
Start	19699	End	22755
GI	none	Score	69
Exons	19699..19836, 19737..19835, 21183..21269, 21189..21269, 21190..21270, 22157..22267, 22157..22267, 22158..22277, 22356..22421, 22389..22418, 22470..22541, 22486..22587, 22543..22587, 22660..22755, 22662..22754		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o10.ts	Method	TBLASTX:Soybean
Start	22196	End	22743
GI	none	Score	51
Exons	22196..22276, 22203..22298, 22395..22418, 22396..22425, 22470..22541, 22486..22566, 22662..22733, 22663..22743		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o3.tm	Method	TBLASTX:Maize
Start	23045	End	25334
GI	none	Score	93
Exons	23045..23107, 23735..24013, 23737..24018, 23738..24013, 23995..24018, 24095..24148, 24096..24116, 24098..24139, 24215..24343, 24216..24311, 24221..24316, 24621..24680, 24625..24687, 24626..24688, 24629..24688, 24877..25020, 24894..25016, 25202..25327, 25203..25334, 25207..25329		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o4.tc	Method	TBLASTX:Cress
Start	23048	End	25335
GI	none	Score	65
Exons	23048..23107, 23726..24013, 23735..24013, 23883..24026, 24095..24148, 24098..24142, 24215..24316, 24216..24311, 24625..24687, 24626..24688, 24894..25025, 24895..25020,		

24913..25032, 25206..25319, 25207..25335

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o3.ts	Method	TBLASTX:Soybean
Start	23720	End	25368
GI	none	Score	359
Exons	23720..24013, 23735..24013, 23877..24017, 24097..24138, 24098..24139, 24215..24316, 24216..24311, 24217..24327, 24218..24316, 24626..24688, 24877..25020, 24894..25031, 24896..25024, 25207..25368, 25218..25367		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o8.np	Method	AAT/NAP
Start	26863	End	28903
GI	1091678	Score	818
Exons	26863..26911, 27212..28903		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o9.ts	Method	TBLASTX:Soybean
Start	27298	End	27543
GI	none	Score	92
Exons	27298..27543, 27383..27508		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o4.tm	Method	TBLASTX:Maize
Start	27304	End	35202
GI	none	Score	70
Exons	27304..27465, 27394..27516, 27419..27514, 27697..27915, 27697..28377, 27782..28183, 28208..28399, 28453..28650, 35125..35202		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o2.tw	Method	TBLASTX:Wheat
Start	27394	End	27804
GI	none	Score	112
Exons	27394..27519, 27395..27514, 27400..27519, 27528..27626, 27541..27633, 27697..27804		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o8.gs	Method	GENSCAN
Start	27583	End	29259
GI	none	Score	.81
Exons	27583..29259		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o5.ts	Method	TBLASTX:Soybean
Start	27715	End	28377
GI	none	Score	97
Exons	27715..27963, 27739..28377, 28214..28339		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o3.tw	Method	TBLASTX:Wheat
Start	27805	End	28096
GI	none	Score	88
Exons	27805..28095, 27809..28096		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o6.tc	Method	TBLASTX:Cress
Start	27853	End	28290
GI	none	Score	59
Exons	27853..28290, 27854..27964, 28064..28288		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o5.tc	Method	TBLASTX:Cress
Start	28429	End	28806
GI	none	Score	70
Exons	28429..28806, 28457..28666		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o6.ts	Method	TBLASTX:Soybean
Start	28459	End	28869
GI	none	Score	68
Exons	28459..28869, 28562..28660		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87742	Strand	-
Start	27583	End	35202
Name	OJ000303_11.0406.C8.o9.tm	Method	TBLASTX:Maize
Start	28651	End	29124
GI	none	Score	94
Exons	28651..28917, 28709..28885, 28954..29055, 28961..29086, 29059..29124		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87743	Strand	
Start	40972	End	43136
Name	OJ000303_11.0406.C8.o2.tm	Method	TBLASTX:Maize
Start	40972	End	43136
GI	none	Score	46
Exons	40972..41067, 41033..41068, 41059..41451, 41060..41452, 42813..42950, 42818..42886, 42840..42950, 42918..42974,		

42949..42993, 42950..43126, 42951..43127, 43083..43136, 43084..43128

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87743	Strand	
Start	40972	End	43136
Name	OJ000303_11.0406.C8.o1.ts	Method	TBLASTX:Soybean
Start	41041	End	43129
GI	none	Score	356
Exons	41041..41250, 41042..41263, 41264..41452, 41266..41439, 42812..43129, 42840..43127, 42950..43129		

Seq. No.	42205	Seq. ID	OJ000303_11.0406.C8
Gene No.	87743	Strand	
Start	40972	End	43136
Name	OJ000303_11.0406.C8.o2.tc	Method	TBLASTX:Cress
Start	41042	End	43127
GI	none	Score	353
Exons	41042..41263, 41044..41262, 41264..41452, 41266..41451, 42813..43013, 42818..43126, 42840..43127		

Seq. No.	42206	Seq. ID	OJ000303_11.0406.C9
Gene No.	87744	Strand	-
Start	1	End	1648
Name	OJ000303_11.0406.C9.o1.np	Method	AAT/NAP
Start	1	End	1648
GI	7434286	Score	842
Exons	1..23, 499..639, 726..868, 983..1118, 1282..1648		
GI Descrip.	probable serine/threonine/tyrosine-specific protein kinase (EC 2.7.1.-) T9I4.1 - Arabidopsis thaliana gi|3461835|gb|AAC33221.1| (AC005315) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	42206	Seq. ID	OJ000303_11.0406.C9
Gene No.	87744	Strand	-
Start	1	End	1648
Name	OJ000303_11.0406.C9.o1.tc	Method	TBLASTX:Cress
Start	508	End	1545
GI	none	Score	149
Exons	508..639, 515..631, 711..866, 730..852, 982..1119, 984..1118, 1271..1540, 1273..1518, 1375..1545		

Seq. No.	42206	Seq. ID	OJ000303_11.0406.C9
Gene No.	87744	Strand	-
Start	1	End	1648
Name	OJ000303_11.0406.C9.o1.ts	Method	TBLASTX:Soybean
Start	508	End	1546
GI	none	Score	146
Exons	508..636, 509..631, 552..641, 705..860, 711..866, 730..867, 981..1115, 982..1119, 983..1096, 984..1118, 1273..1533, 1282..1533, 1283..1546		

Seq. No.	42206	Seq. ID	OJ000303_11.0406.C9
Gene No.	87744	Strand	-
Start	1	End	1648
Name	OJ000303_11.0406.C9.o1.tw	Method	TBLASTX:Wheat
Start	508	End	848
GI	none	Score	128

Exons	508..639, 515..640, 711..848		
Seq. No.	42206	Seq. ID	OJ000303_11.0406.C9
Gene No.	87744	Strand	-
Start	1	End	1648
Name	OJ000303_11.0406.C9.o1.gs	Method	GENSCAN
Start	516	End	1605
GI	none	Score	.75
Exons	516..639, 726..851, 1282..1605		
Seq. No.	42206	Seq. ID	OJ000303_11.0406.C9
Gene No.	87744	Strand	-
Start	1	End	1648
Name	OJ000303_11.0406.C9.o1.tm	Method	TBLASTX:Maize
Start	540	End	1438
GI	none	Score	132
Exons	540..638, 541..639, 542..640, 711..866, 724..867, 725..868, 725..880, 981..1115, 982..1122, 983..1117, 984..1118, 1280..1426, 1281..1427, 1283..1438, 1285..1437		
Seq. No.	42206	Seq. ID	OJ000303_11.0406.C9
Gene No.	87744	Strand	-
Start	1	End	1648
Name	OJ000303_11.0406.C9.o2.tm	Method	TBLASTX:Maize
Start	1439	End	1610
GI	none	Score	151
Exons	1439..1552, 1440..1574, 1441..1605, 1442..1609, 1443..1610		
Seq. No.	42206	Seq. ID	OJ000303_11.0406.C9
Gene No.	87744	Strand	-
Start	1	End	1648
Name	OJ000303_11.0406.C9.o1.gp	Method	AAT/GAP
Start	1460	End	1607
GI	25528_1.R1084	Score	256
Exons	1460..1607		
GI Descrip.	'3355490 4.0e-44 (AC004218) putative dolichyl-phosphate beta-glucosyltransferase [Arabidopsis thaliana]'		
Seq. No.	42207	Seq. ID	OJ000303_11.0406.C10
Gene No.	87745	Strand	+
Start	1883	End	4306
Name	OJ000303_11.0406.C10.o1.np	Method	AAT/NAP
Start	1883	End	4306
GI	7484940	Score	398
Exons	1883..2048, 2757..2863, 2998..3043, 3732..3866, 4006..4095, 4193..4306		
GI Descrip.	dolichyl-phosphate beta-glucosyltransferase homolog F12L6.29 - Arabidopsis thaliana gi|6598395|gb|AAF18606.1|AC003674_1 (AC003674) putative dolichyl-phosphate beta-glucosyltransferase [Arabidopsis thaliana]		
Seq. No.	42207	Seq. ID	OJ000303_11.0406.C10
Gene No.	87745	Strand	+
Start	1883	End	4306
Name	OJ000303_11.0406.C10.o1.gs	Method	GENSCAN
Start	2217	End	3866
GI	none	Score	.93

Exons	2217..2303, 2388..2458, 2570..2627, 2757..2863, 2998..3043, 3732..3866		
Seq. No.	42207	Seq. ID	OJ000303_11.0406.C10
Gene No.	87745	Strand	+
Start	1883	End	4306
Name	OJ000303_11.0406.C10.o2.gp	Method	AAT/GAP
Start	4162	End	4306
GI	2280586	Score	224
Exons	4162..4306		
GI Descrip.	3355490 4.0e-44 (AC004218) putative dolichyl-phosphate beta-glucosyltransferase [Arabidopsis thaliana]		
Seq. No.	42207	Seq. ID	OJ000303_11.0406.C10
Gene No.	87746	Strand	-
Start	1	End	415
Name	OJ000303_11.0406.C10.o1.gp	Method	AAT/GAP
Start	1	End	415
GI	25528_1.R1084	Score	780
Exons	1..415		
GI Descrip.	'3355490 4.0e-44 (AC004218) putative dolichyl-phosphate beta-glucosyltransferase [Arabidopsis thaliana]'		
Seq. No.	42207	Seq. ID	OJ000303_11.0406.C10
Gene No.	87747	Strand	
Start	2388	End	4306
Name	OJ000303_11.0406.C10.o1.tm	Method	TBLASTX:Maize
Start	2388	End	4306
GI	none	Score	57
Exons	2388..2459, 2427..2459, 2504..2629, 2551..2634, 2571..2630, 2756..2863, 2757..2861, 2996..3046, 3692..3871, 3729..3866, 3745..3867, 3989..4096, 4003..4098, 4005..4091, 4006..4098, 4190..4306, 4191..4259, 4250..4306		
Seq. No.	42207	Seq. ID	OJ000303_11.0406.C10
Gene No.	87747	Strand	
Start	2388	End	4306
Name	OJ000303_11.0406.C10.o1.ts	Method	TBLASTX:Soybean
Start	2811	End	4044
GI	none	Score	71
Exons	2811..2861, 3729..3866, 3729..3866, 3731..3874, 3997..4044		
Seq. No.	42208	Seq. ID	OJ000303_11.0406.C11
Gene No.	87748	Strand	+
Start	1	End	708
Name	OJ000303_11.0406.C11.o1.np	Method	AAT/NAP
Start	1	End	453
GI	7484940	Score	281
Exons	1..22, 123..187, 267..453		
GI Descrip.	dolichyl-phosphate beta-glucosyltransferase homolog F12L6.29 - Arabidopsis thaliana gi|6598395|gb|AAF18606.1|AC003674_1 (AC003674) putative dolichyl-phosphate beta-glucosyltransferase [Arabidopsis thaliana]		
Seq. No.	42208	Seq. ID	OJ000303_11.0406.C11
Gene No.	87748	Strand	+
Start	1	End	708

Name	OJ000303_11.0406.C11.o1.gs	Method	GENSCAN
Start	135	End	708
GI	none	Score	.56
Exons	135..187, 267..414, 658..708		

Seq. No.	42208	Seq. ID	OJ000303_11.0406.C11
Gene No.	87749	Strand	+
Start	843	End	1223
Name	OJ000303_11.0406.C11.o2.np	Method	AAT/NAP
Start	843	End	1223
GI	3935157	Score	93
Exons	843..1052, 1184..1223		
GI Descrip.	(AC005106) T25N20.21 [Arabidopsis thaliana]		

Seq. No.	42208	Seq. ID	OJ000303_11.0406.C11
Gene No.	87750	Strand	-
Start	352	End	651
Name	OJ000303_11.0406.C11.o1.tc	Method	TBLASTX:Cress
Start	113	End	447
GI	none	Score	106
Exons	113..196, 123..191, 257..370, 265..447	264..443, 264..443, 265..447,	

Seq. No.	42208	Seq. ID	OJ000303_11.0406.C11
Gene No.	87750	Strand	-
Start	352	End	651
Name	OJ000303_11.0406.C11.o1.ts	Method	TBLASTX:Soybean
Start	113	End	423
GI	none	Score	110
Exons	113..196, 123..191, 255..419,	256..423	

Seq. No.	42208	Seq. ID	OJ000303_11.0406.C11
Gene No.	87750	Strand	-
Start	352	End	651
Name	OJ000303_11.0406.C11.o1.gp	Method	AAT/GAP
Start	352	End	651
GI	3106857	Score	587
Exons	352..651		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87751	Strand	+
Start	13517	End	18958
Name	OJ000303_11.0406.C16.o2.np	Method	AAT/NAP
Start	13517	End	18958
GI	6069646	Score	964
Exons	13517..13613, 16920..17687, 17969..18958		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87751	Strand	+
Start	13517	End	18958
Name	OJ000303_11.0406.C16.o4.gp	Method	AAT/GAP
Start	14915	End	15043

GI	7587_1.R1084	Score	218
Exons	14915..15043		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87751	Strand	+
Start	13517	End	18958
Name	OJ000303_11.0406.C16.o5.gp	Method	AAT/GAP
Start	15152	End	15481
GI	5607533	Score	473
Exons	15152..15481		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87752	Strand	-
Start	896	End	12718
Name	OJ000303_11.0406.C16.o1.gp	Method	AAT/GAP
Start	593	End	2560
GI	19609_1.R1084	Score	1429
Exons	593..1011, 1149..1413, 2483..2560		
GI Descrip.	'3927836 9.0e-68 (AC005727) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87752	Strand	-
Start	896	End	12718
Name	OJ000303_11.0406.C16.o1.gs	Method	GENSCAN
Start	896	End	12718
GI	none	Score	.72
Exons	896..1011, 1149..1317, 2483..2596, 2690..4116, 5369..5561, 6489..6842, 6952..7017, 7169..7301, 7790..8009, 8737..8849, 11805..11861, 12582..12718		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87752	Strand	-
Start	896	End	12718
Name	OJ000303_11.0406.C16.o1.np	Method	AAT/NAP
Start	899	End	4114
GI	3927836	Score	1311
Exons	899..1011, 1149..1413, 2483..2596, 2690..3189, 3241..3941, 3972..4114		
GI Descrip.	(AC005727) unknown protein [Arabidopsis thaliana]		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87752	Strand	-
Start	896	End	12718
Name	OJ000303_11.0406.C16.o2.gp	Method	AAT/GAP
Start	3461	End	3917
GI	uC-osroM202019h06a1	Score	894
Exons	3461..3917		
GI Descrip.	'3927836 3.0e-16 (AC005727) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87752	Strand	-
Start	896	End	12718
Name	OJ000303_11.0406.C16.o3.gp	Method	AAT/GAP
Start	3973	End	4228
GI	none	Score	301
Exons	3973..4228		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87753	Strand	-
Start	15363	End	15821
Name	OJ000303_11.0406.C16.o6.gp	Method	AAT/GAP
Start	15363	End	15821
GI	45273_1.R1084	Score	838
Exons	15363..15821		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o2.ts	Method	TBLASTX:Soybean
Start	884	End	2543
GI	none	Score	151
Exons	884..1042, 888..1016, 1144..1416, 1147..1305, 1148..1417, 1244..1417, 1336..1425, 2483..2542, 2484..2543		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o3.tc	Method	TBLASTX:Cress
Start	888	End	2570
GI	none	Score	66
Exons	888..995, 896..982, 1153..1281, 1162..1416, 1163..1417, 1350..1418, 1351..1425, 2478..2570, 2483..2569		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o5.tm	Method	TBLASTX:Maize
Start	897	End	2536
GI	none	Score	129
Exons	897..1013, 905..1012, 1144..1416, 1148..1414, 2483..2536, 2487..2534		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o6.tc	Method	TBLASTX:Cress
Start	2571	End	2980
GI	none	Score	43
Exons	2571..2597, 2684..2776, 2688..2777, 2816..2896, 2816..2980, 2880..2972		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476

Name	OJ000303_11.0406.C16.o9.tm	Method	TBLASTX:Maize
Start	2687	End	3005
GI	none	Score	85
Exons	2687..2749, 2813..2908, 2813..3004, 2814..3005		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o6.ts	Method	TBLASTX:Soybean
Start	2813	End	3013
GI	none	Score	116
Exons	2813..3013, 2816..2956		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o7.tm	Method	TBLASTX:Maize
Start	3215	End	3419
GI	none	Score	96
Exons	3215..3418, 3285..3419		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o5.ts	Method	TBLASTX:Soybean
Start	3242	End	3419
GI	none	Score	124
Exons	3242..3418, 3273..3419		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o5.tc	Method	TBLASTX:Cress
Start	3251	End	3418
GI	none	Score	111
Exons	3251..3418, 3273..3413, 3329..3415		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o1.tm	Method	TBLASTX:Maize
Start	15171	End	15785
GI	none	Score	78
Exons	15171..15260, 15172..15219, 15231..15269, 15358..15456, 15368..15457, 15372..15458, 15377..15475, 15413..15727, 15423..15728, 15459..15731, 15460..15729, 15746..15784, 15747..15785		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o4.tc	Method	TBLASTX:Cress
Start	15172	End	15701
GI	none	Score	45
Exons	15172..15210, 15251..15319, 15282..15314, 15380..15427, 15380..15409, 15472..15696, 15477..15701, 15477..15689, 15478..15690, 15485..15700		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o3.ts	Method	TBLASTX:Soybean
Start	15378	End	15701
GI	none	Score	44
Exons	15378..15425, 15469..15693, 15477..15701, 15477..15689		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o4.tm	Method	TBLASTX:Maize
Start	16752	End	17243
GI	none	Score	103
Exons	16752..16883, 16911..17177, 16919..17143, 17166..17243, 17174..17242		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o2.tm	Method	TBLASTX:Maize
Start	17244	End	17922
GI	none	Score	182
Exons	17244..17453, 17310..17402, 17469..17597, 17477..17587, 17602..17688, 17603..17689, 17668..17916, 17689..17922, 17730..17921		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o2.tw	Method	TBLASTX:Wheat
Start	17575	End	18000
GI	none	Score	68
Exons	17575..17688, 17600..17689, 17683..17841, 17689..17859, 17872..18000		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o8.tm	Method	TBLASTX:Maize
Start	18403	End	18924
GI	none	Score	42
Exons	18403..18441, 18503..18718, 18719..18838, 18847..18924		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o4.ts	Method	TBLASTX:Soybean
Start	20904	End	21162
GI	none	Score	43
Exons	20904..20984, 20905..21162, 21032..21148		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o6.tm	Method	TBLASTX:Maize

Start	20924	End	21171
GI	none	Score	92
Exons	20924..21139, 20941..21150, 20941..21171		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o1.tc	Method	TBLASTX:Cress
Start	20941	End	21462
GI	none	Score	197
Exons	20941..21462, 20942..21349		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o3.gs	Method	GENSCAN
Start	20941	End	22401
GI	none	Score	.98
Exons	20941..22401		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o4.np	Method	AAT/NAP
Start	20944	End	22476
GI	7485066	Score	994
Exons	20944..22263, 22441..22476		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244839|emb|CAB10261.1| (Z97337) hypothetical protein [Arabidopsis thaliana] gi|7268228|emb|CAB78524.1| (AL161540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o1.ts	Method	TBLASTX:Soybean
Start	21166	End	21702
GI	none	Score	389
Exons	21166..21702		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o3.tm	Method	TBLASTX:Maize
Start	21217	End	22219
GI	none	Score	230
Exons	21217..22074, 21473..21952, 21748..22080, 21772..22170, 21773..21943, 22018..22218, 22043..22219, 22054..22212, 22055..22216		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o1.tw	Method	TBLASTX:Wheat
Start	21635	End	22219
GI	none	Score	187
Exons	21635..21958, 21637..22110, 21700..21816, 21850..22092,		

21995..22096, 22027..22218, 22040..22219

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o2.tc	Method	TBLASTX:Cress
Start	21661	End	22440
GI	none	Score	34
Exons	21661..21777, 21690..21722, 21700..21966, 21721..21894, 21769..21951, 21769..22071, 21781..22239, 21785..21946, 21994..22194, 22072..22200, 22234..22317, 22336..22440		

Seq. No.	42209	Seq. ID	OJ000303_11.0406.C16
Gene No.	87754	Strand	-
Start	20941	End	22476
Name	OJ000303_11.0406.C16.o7.ts	Method	TBLASTX:Soybean
Start	21715	End	22218
GI	none	Score	192
Exons	21715..21921, 21841..22218		

Seq. No.	42210	Seq. ID	OJ000303_11.0406.C17
Gene No.	87755	Strand	+
Start	59	End	253
Name	OJ000303_11.0406.C17.o1.gs	Method	GENSCAN
Start	59	End	253
GI	none	Score	.43
Exons	59..253		

Seq. No.	42210	Seq. ID	OJ000303_11.0406.C17
Gene No.	87756	Strand	-
Start	1	End	563
Name	OJ000303_11.0406.C17.o1.np	Method	AAT/NAP
Start	1	End	563
GI	6983864	Score	83
Exons	1..22, 464..563		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	42210	Seq. ID	OJ000303_11.0406.C17
Gene No.	87757	Strand	-
Start	926	End	1319
Name	OJ000303_11.0406.C17.o2.np	Method	AAT/NAP
Start	926	End	1319
GI	4588012	Score	95
Exons	926..1016, 1148..1319		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	42211	Seq. ID	OJ000223_19.0403.C2
Gene No.	87758	Strand	-
Start	861	End	947
Name	OJ000223_19.0403.C2.o1.gs	Method	GENSCAN
Start	861	End	947
GI	none	Score	.51
Exons	861..947		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87759	Strand	+

Start	201	End	3661
Name	OJ000223_19.0403.C3.o1.gs	Method	GENSCAN
Start	201	End	3661
GI	none	Score	.91
Exons	201..290, 800..843, 951..1418, 1723..1748, 1906..1936, 2055..2142, 2259..2548, 2695..2786, 2883..3085, 3380..3661		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87759	Strand	+
Start	201	End	3661
Name	OJ000223_19.0403.C3.o1.np	Method	AAT/NAP
Start	1330	End	3658
GI	5081555	Score	680
Exons	1330..1418, 1723..1748, 1906..1936, 2055..2142, 2259..2404, 2504..2548, 2695..2786, 2886..3268, 3464..3658		
GI Descrip.	(AF132001) PHAP2A protein [Petunia x hybrida]		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87759	Strand	+
Start	201	End	3661
Name	OJ000223_19.0403.C3.o1.gp	Method	AAT/GAP
Start	2257	End	3541
GI	25592_1.R1084	Score	1350
Exons	2257..2404, 2504..2548, 2695..2786, 2883..3085, 3181..3264, 3380..3541		
GI Descrip.	'5081555/gb|AAD39439.1|AF132001_1 4.0e-27 (AF132001) PHAP2A protein [Petunia x hybrida]'		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87760	Strand	+
Start	3635	End	4050
Name	OJ000223_19.0403.C3.o2.gp	Method	AAT/GAP
Start	3635	End	4050
GI	702296	Score	622
Exons	3635..4050		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87761	Strand	+
Start	11794	End	18877
Name	OJ000223_19.0403.C3.o2.np	Method	AAT/NAP
Start	11794	End	16326
GI	7486157	Score	576
Exons	11794..11934, 12136..12779, 12826..13742, 13872..14078, 14718..14854, 16280..16326		
GI Descrip.	hypothetical protein F26B6.1 - Arabidopsis thaliana gi|3242728|gb|AAC23780.1| (AC003040) unknown protein [Arabidopsis thaliana]		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87761	Strand	+
Start	11794	End	18877
Name	OJ000223_19.0403.C3.o5.np	Method	AAT/NAP
Start	13267	End	18877
GI	7228438	Score	189
Exons	13267..13385, 17879..18199, 18856..18877		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein		

isolog (AC003981) [Oryza sativa]

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87762	Strand	-
Start	14685	End	15474
Name	OJ000223_19.0403.C3.o3.gp	Method	AAT/GAP
Start	14685	End	15474
GI	none	Score	1531
Exons	14685..15474		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o1.tc	Method	TBLASTX:Cress
Start	1329	End	2775
GI	none	Score	91
Exons	1329..1409, 1375..1419, 1899..1937, 2053..2145, 2053..2136, 2059..2148, 2255..2410, 2256..2417, 2502..2549, 2504..2548, 2692..2775, 2693..2773		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	1905	End	2959
GI	none	Score	40
Exons	1905..1931, 2017..2148, 2053..2145, 2053..2136, 2061..2153, 2255..2407, 2255..2410, 2256..2417, 2256..2411, 2501..2548, 2502..2549, 2504..2548, 2692..2775, 2693..2773, 2888..2959		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o3.tm	Method	TBLASTX:Maize
Start	2004	End	2558
GI	none	Score	140
Exons	2004..2141, 2013..2141, 2041..2148, 2047..2145, 2255..2410, 2256..2417, 2256..2411, 2502..2549, 2503..2547, 2505..2558, 2506..2553		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o4.tm	Method	TBLASTX:Maize
Start	9924	End	12222
GI	none	Score	80
Exons	9924..9953, 9974..10009, 11649..11711, 11827..11964, 11831..11926, 11832..11963, 12139..12222, 12147..12221		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o2.ts	Method	TBLASTX:Soybean
Start	12454	End	12768
GI	none	Score	277
Exons	12454..12750, 12483..12749, 12532..12768		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	12460	End	13196
GI	none	Score	420
Exons	12460..12750, 12460..13047, 12462..13049, 12813..13061, 12814..13053, 13052..13192, 13052..13126, 13053..13196, 13113..13196		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o2.tc	Method	TBLASTX:Cress
Start	12523	End	12762
GI	none	Score	283
Exons	12523..12762, 12528..12749		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o3.ts	Method	TBLASTX:Soybean
Start	13341	End	13715
GI	none	Score	50
Exons	13341..13421, 13493..13714, 13500..13715		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o2.tm	Method	TBLASTX:Maize
Start	13638	End	15183
GI	none	Score	184
Exons	13638..13781, 13645..13785, 13655..13780, 13907..13990, 13923..13991, 14036..14104, 14049..14105, 14189..14236, 14190..14237, 14711..15010, 14712..15011, 14775..15011, 15000..15062, 15002..15052, 15029..15064, 15033..15053, 15110..15181, 15111..15182, 15118..15183, 15123..15182		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o4.np	Method	AAT/NAP
Start	15594	End	18877
GI	7228442	Score	133
Exons	15594..15620, 17131..17312, 18850..18877		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42212	Seq. ID	OJ000223_19.0403.C3
Gene No.	87763	Strand	-
Start	15594	End	18877
Name	OJ000223_19.0403.C3.o3.np	Method	AAT/NAP
Start	16552	End	18877
GI	7228438	Score	66
Exons	16552..16637, 16825..16967, 18759..18877		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]

Seq. No.	42213	Seq. ID	OJ000223_19.0403.C4
Gene No.	87764	Strand	+
Start	1782	End	4177
Name	OJ000223_19.0403.C4.o1.gs	Method	GENSCAN
Start	1782	End	4177
GI	none	Score	.6
Exons	1782..2413, 2723..2903, 3651..3711, 4101..4177		

Seq. No.	42213	Seq. ID	OJ000223_19.0403.C4
Gene No.	87765	Strand	-
Start	4595	End	7482
Name	OJ000223_19.0403.C4.o1.np	Method	AAT/NAP
Start	4595	End	7482
GI	3785979	Score	202
Exons	4595..4621, 6034..6248, 7462..7482		
GI Descrip.	(AC005560) putative homeodomain transcription factor [Arabidopsis thaliana]		

Seq. No.	42213	Seq. ID	OJ000223_19.0403.C4
Gene No.	87765	Strand	-
Start	4595	End	7482
Name	OJ000223_19.0403.C4.o2.gs	Method	GENSCAN
Start	5699	End	6578
GI	none	Score	.98
Exons	5699..5881, 5973..6578		

Seq. No.	42213	Seq. ID	OJ000223_19.0403.C4
Gene No.	87766	Strand	-
Start	10061	End	11405
Name	OJ000223_19.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	5992	End	6243
GI	none	Score	175
Exons	5992..6243, 6039..6242		

Seq. No.	42213	Seq. ID	OJ000223_19.0403.C4
Gene No.	87766	Strand	-
Start	10061	End	11405
Name	OJ000223_19.0403.C4.o1.ts	Method	TBLASTX:Soybean
Start	6031	End	6237
GI	none	Score	200
Exons	6031..6237, 6039..6236		

Seq. No.	42213	Seq. ID	OJ000223_19.0403.C4
Gene No.	87766	Strand	-
Start	10061	End	11405
Name	OJ000223_19.0403.C4.o1.tc	Method	TBLASTX:Cress
Start	6042	End	6234
GI	none	Score	98
Exons	6042..6191, 6049..6171, 6180..6233, 6202..6234		

Seq. No.	42213	Seq. ID	OJ000223_19.0403.C4
Gene No.	87766	Strand	-
Start	10061	End	11405
Name	OJ000223_19.0403.C4.o2.np	Method	AAT/NAP

Start	10061	End	11405
GI	6630699	Score	88
Exons	10061..10150, 11293..11405		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87767	Strand	+
Start	12251	End	17720
Name	OJ000223_19.0403.C5.o2.np	Method	AAT/NAP
Start	12251	End	17720
GI	4544369	Score	502
Exons	12251..12322, 16761..16902, 16942..17720		
GI Descrip.	(AC006920) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87767	Strand	+
Start	12251	End	17720
Name	OJ000223_19.0403.C5.o6.gs	Method	GENSCAN
Start	16728	End	17684
GI	none	Score	.96
Exons	16728..17684		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87768	Strand	-
Start	99	End	644
Name	OJ000223_19.0403.C5.o1.gs	Method	GENSCAN
Start	99	End	431
GI	none	Score	1
Exons	99..431		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87768	Strand	-
Start	99	End	644
Name	OJ000223_19.0403.C5.o1.gp	Method	AAT/GAP
Start	291	End	644
GI	LIB3433-059-P1-K1-B7	Score	611
Exons	291..644		
GI Descrip.	'3821780/emb|AJ009303.1|XLAJ9303 4.0e-10 Xenopus laevis cDNA clone 27A6-1'		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87769	Strand	-
Start	6136	End	6483
Name	OJ000223_19.0403.C5.o2.gp	Method	AAT/GAP
Start	6080	End	6483
GI	2442446	Score	678
Exons	6080..6483		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87769	Strand	-
Start	6136	End	6483
Name	OJ000223_19.0403.C5.o3.gs	Method	GENSCAN
Start	6136	End	6429
GI	none	Score	1
Exons	6136..6429		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87770	Strand	-
Start	8335	End	11902
Name	OJ000223_19.0403.C5.o1.np	Method	AAT/NAP
Start	8335	End	11902
GI	6523034	Score	1007
Exons	8335..8879, 9830..10187, 10236..11179, 11803..11902		
GI Descrip.	(AL132976) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87771	Strand	-
Start	13248	End	15528
Name	OJ000223_19.0403.C5.o3.tm	Method	TBLASTX:Maize
Start	8440	End	8772
GI	none	Score	330
Exons	8440..8496, 8462..8770, 8487..8765, 8491..8772		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87771	Strand	-
Start	13248	End	15528
Name	OJ000223_19.0403.C5.o2.ts	Method	TBLASTX:Soybean
Start	8818	End	10185
GI	none	Score	45
Exons	8818..8880, 9825..9962, 9846..9968, 10008..10106, 10008..10184, 10015..10185		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87771	Strand	-
Start	13248	End	15528
Name	OJ000223_19.0403.C5.o4.tm	Method	TBLASTX:Maize
Start	9675	End	10130
GI	none	Score	70
Exons	9675..9962, 10008..10103, 10011..10130, 10018..10122		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87771	Strand	-
Start	13248	End	15528
Name	OJ000223_19.0403.C5.o1.tc	Method	TBLASTX:Cress
Start	9827	End	10184
GI	none	Score	59
Exons	9827..9958, 9828..9959, 10008..10184, 10015..10164		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87771	Strand	-
Start	13248	End	15528
Name	OJ000223_19.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	10431	End	11030
GI	none	Score	164
Exons	10431..10577, 10438..10578, 10593..10664, 10593..10667, 10594..10677, 10659..10832, 10662..10964, 10663..10950, 10938..10994, 10938..11030		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87771	Strand	-
Start	13248	End	15528

Name	OJ000223_19.0403.C5.o3.tc	Method	TBLASTX:Cress
Start	10653	End	11060
GI	none	Score	44
Exons	10653..10769, 10653..10865, 10785..10964, 11001..11060		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87771	Strand	-
Start	13248	End	15528
Name	OJ000223_19.0403.C5.o5.gs	Method	GENSCAN
Start	13248	End	15528
GI	none	Score	.8
Exons	13248..13809, 14661..14932, 15511..15528		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87772	Strand	
Start	17042	End	17561
Name	OJ000223_19.0403.C5.o2.tc	Method	TBLASTX:Cress
Start	17042	End	17519
GI	none	Score	187
Exons	17042..17155, 17043..17228, 17277..17453, 17475..17519		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87772	Strand	
Start	17042	End	17561
Name	OJ000223_19.0403.C5.o1.ts	Method	TBLASTX:Soybean
Start	17060	End	17561
GI	none	Score	415
Exons	17060..17431, 17061..17456, 17481..17561		

Seq. No.	42214	Seq. ID	OJ000223_19.0403.C5
Gene No.	87772	Strand	
Start	17042	End	17561
Name	OJ000223_19.0403.C5.o2.tm	Method	TBLASTX:Maize
Start	17147	End	17546
GI	none	Score	466
Exons	17147..17431, 17148..17483, 17472..17546, 17483..17542		

Seq. No.	42215	Seq. ID	OJ000223_19.0403.C6
Gene No.	87773	Strand	-
Start	1	End	1300
Name	OJ000223_19.0403.C6.o1.gp	Method	AAT/GAP
Start	1	End	1298
GI	558_1.R1084	Score	1023
Exons	1..164, 827..967, 1057..1298		
GI Descrip.	'129231/sp|P25776|ORYA_ORYSA 0.0e+00 ORYZAIN ALPHA CHAIN PRECURSOR >gi_67644_pir__KHRZOA oryzain (EC 3.4.22.-) alpha precursor - rice >gi_218181_dbj_BAA14402_ (D90406) oryzain alpha precursor [Oryza sativa]'		

Seq. No.	42215	Seq. ID	OJ000223_19.0403.C6
Gene No.	87773	Strand	-
Start	1	End	1300
Name	OJ000223_19.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1294
GI	none	Score	173
Exons	1..165, 3..164, 827..970, 843..968, 1054..1284, 1057..1293, 1130..1294		

Seq. No.	42215	Seq. ID	OJ000223_19.0403.C6
Gene No.	87773	Strand	-
Start	1	End	1300
Name	OJ000223_19.0403.C6.o1.np	Method	AAT/NAP
Start	1	End	1296
GI	129231	Score	854
Exons	1..164, 827..967, 1057..1296		
GI Descrip.	ORYZAIN ALPHA CHAIN PRECURSOR gi|67644|pir||KHRZOA oryzain (EC 3.4.22.-) alpha precursor - rice gi|218181|dbj|BAA14402.1| (D90406) oryzain alpha precursor [Oryza sativa]		

Seq. No.	42215	Seq. ID	OJ000223_19.0403.C6
Gene No.	87773	Strand	-
Start	1	End	1300
Name	OJ000223_19.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	3	End	1300
GI	none	Score	178
Exons	3..164, 6..164, 7..165, 825..968, 827..973, 834..968, 1035..1289, 1050..1289, 1054..1290, 1057..1293, 1130..1300		

Seq. No.	42215	Seq. ID	OJ000223_19.0403.C6
Gene No.	87773	Strand	-
Start	1	End	1300
Name	OJ000223_19.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	24	End	1300
GI	none	Score	62
Exons	24..173, 36..173, 37..174, 825..968, 827..967, 827..973, 828..980, 1054..1290, 1056..1289, 1057..1293, 1130..1300		

Seq. No.	42215	Seq. ID	OJ000223_19.0403.C6
Gene No.	87773	Strand	-
Start	1	End	1300
Name	OJ000223_19.0403.C6.o1.gs	Method	GENSCAN
Start	47	End	1292
GI	none	Score	.84
Exons	47..164, 827..967, 1021..1292		

Seq. No.	42215	Seq. ID	OJ000223_19.0403.C6
Gene No.	87773	Strand	-
Start	1	End	1300
Name	OJ000223_19.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	1095	End	1294
GI	none	Score	228
Exons	1095..1286, 1096..1287, 1096..1293, 1121..1294, 1130..1294		

Seq. No.	42216	Seq. ID	OJ000223_19.0403.C7
Gene No.	87774	Strand	-
Start	1	End	509
Name	OJ000223_19.0403.C7.o1.gp	Method	AAT/GAP
Start	1	End	509
GI	558_1.R1084	Score	980
Exons	1..509		
GI Descrip.	'129231/sp|P25776|ORYA_ORYSA 0.0e+00 ORYZAIN ALPHA CHAIN PRECURSOR >gi_67644_pir__KHRZOA oryzain (EC 3.4.22.-) alpha precursor - rice >gi_218181_dbj_BAA14402_ (D90406) oryzain alpha precursor [Oryza sativa]'		

Seq. No.	42216	Seq. ID	OJ000223_19.0403.C7
Gene No.	87774	Strand	-
Start	1	End	509
Name	OJ000223_19.0403.C7.o1.np	Method	AAT/NAP
Start	1	End	464
GI	129231	Score	744
Exons	1..464		
GI Descrip.	ORYZAIN ALPHA CHAIN PRECURSOR gi|67644|pir||KHRZOA oryzain (EC 3.4.22.-) alpha precursor - rice gi|218181|dbj|BAA14402.1| (D90406) oryzain alpha precursor [Oryza sativa]		

Seq. No.	42216	Seq. ID	OJ000223_19.0403.C7
Gene No.	87774	Strand	-
Start	1	End	509
Name	OJ000223_19.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	11	End	401
GI	none	Score	89
Exons	11..85, 13..81, 96..215, 240..320, 315..380, 372..401		

Seq. No.	42216	Seq. ID	OJ000223_19.0403.C7
Gene No.	87774	Strand	-
Start	1	End	509
Name	OJ000223_19.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	11	End	456
GI	none	Score	94
Exons	11..79, 13..81, 15..95, 16..102, 87..398, 88..456		

Seq. No.	42216	Seq. ID	OJ000223_19.0403.C7
Gene No.	87774	Strand	-
Start	1	End	509
Name	OJ000223_19.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	11	End	374
GI	none	Score	99
Exons	11..82, 13..81, 126..215, 228..374, 229..339		

Seq. No.	42216	Seq. ID	OJ000223_19.0403.C7
Gene No.	87774	Strand	-
Start	1	End	509
Name	OJ000223_19.0403.C7.o1.gs	Method	GENSCAN
Start	15	End	464
GI	none	Score	.64
Exons	15..464		

Seq. No.	42216	Seq. ID	OJ000223_19.0403.C7
Gene No.	87774	Strand	-
Start	1	End	509
Name	OJ000223_19.0403.C7.o1.tw	Method	TBLASTX:Wheat
Start	264	End	401
GI	none	Score	82
Exons	264..401, 265..399		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87775	Strand	+
Start	123	End	1998
Name	OJ000223_19.0403.C8.o1.gs	Method	GENSCAN
Start	123	End	1998

GI	none	Score	.53
Exons	123..391, 927..988, 1859..1998		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87776	Strand	+
Start	18150	End	20357
Name	OJ000223_19.0403.C8.o6.gs	Method	GENSCAN
Start	18150	End	20328
GI	none	Score	.87
Exons	18150..18278, 18351..18532, 19169..19350, 19430..19500, 20275..20328		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87776	Strand	+
Start	18150	End	20357
Name	OJ000223_19.0403.C8.o3.np	Method	AAT/NAP
Start	18236	End	20357
GI	5080827	Score	613
Exons	18236..18532, 18643..18742, 18819..18892, 19169..19354, 19410..19500, 19757..19840, 20275..20357		
GI Descrip.	(AC007258) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87776	Strand	+
Start	18150	End	20357
Name	OJ000223_19.0403.C8.o3.gp	Method	AAT/GAP
Start	19175	End	19969
GI	uC-osflcyp154d08b1	Score	864
Exons	19175..19350, 19430..19500, 19757..19969		
GI Descrip.	'5080827/gb|AAD39336.1|AC007258_25 6.0e-38 (AC007258) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87777	Strand	-
Start	3155	End	4765
Name	OJ000223_19.0403.C8.o2.gs	Method	GENSCAN
Start	3155	End	4765
GI	none	Score	.98
Exons	3155..3390, 3496..3751, 3925..4193, 4343..4567, 4705..4765		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87778	Strand	-
Start	6624	End	11019
Name	OJ000223_19.0403.C8.o3.gs	Method	GENSCAN
Start	6624	End	10557
GI	none	Score	.92
Exons	6624..6682, 8093..8190, 9067..9207, 9244..9738, 9821..10557		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87778	Strand	-
Start	6624	End	11019
Name	OJ000223_19.0403.C8.o1.np	Method	AAT/NAP
Start	6761	End	11019
GI	4006882	Score	404
Exons	6761..6794, 8093..8190, 9244..9743, 9800..10197, 10237..10555, 10949..11019		
GI Descrip.	(Z99707) UDP-glucuronyltransferase-like protein [Arabidopsis		

thaliana] gi|7270638|emb|CAB80355.1| (AL161590)
UDP-glucuronyltransferase-like protein [Arabidopsis thaliana]

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87778	Strand	-
Start	6624	End	11019
Name	OJ000223_19.0403.C8.o1.gp	Method	AAT/GAP
Start	7661	End	9323
GI	3768143	Score	1150
Exons	7661..8190, 9244..9323		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87778	Strand	-
Start	6624	End	11019
Name	OJ000223_19.0403.C8.o2.gp	Method	AAT/GAP
Start	10070	End	10354
GI	3768142	Score	533
Exons	10070..10354		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87779	Strand	-
Start	11817	End	12498
Name	OJ000223_19.0403.C8.o4.gs	Method	GENSCAN
Start	11817	End	12498
GI	none	Score	.65
Exons	11817..11970, 12458..12498		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87780	Strand	-
Start	14658	End	17378
Name	OJ000223_19.0403.C8.o2.np	Method	AAT/NAP
Start	14658	End	17378
GI	7109483	Score	862
Exons	14658..14696, 15967..17378		
GI Descrip.	(AC016662) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87780	Strand	-
Start	14658	End	17378
Name	OJ000223_19.0403.C8.o5.gs	Method	GENSCAN
Start	15955	End	17364
GI	none	Score	1
Exons	15955..17364		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87781	Strand	-
Start	20123	End	20622
Name	OJ000223_19.0403.C8.o4.gp	Method	AAT/GAP
Start	20123	End	20622
GI	none	Score	992
Exons	20123..20622		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	9223	End	10189

GI	none	Score	84
Exons	9223..9360, 9225..9362, 9432..9491, 9534..9608, 9612..9740, 9643..9738, 9820..9855, 9856..10044, 9857..10045, 10084..10188, 10085..10189		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o4.tm	Method	TBLASTX:Maize
Start	10324	End	10558
GI	none	Score	107
Exons	10324..10392, 10360..10461, 10361..10513, 10507..10557, 10508..10558		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o2.tc	Method	TBLASTX:Cress
Start	15949	End	16336
GI	none	Score	181
Exons	15949..16020, 16084..16140, 16141..16335, 16202..16336		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o2.ts	Method	TBLASTX:Soybean
Start	15964	End	16392
GI	none	Score	129
Exons	15964..16104, 16174..16392, 16199..16336		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o1.tw	Method	TBLASTX:Wheat
Start	16129	End	16351
GI	none	Score	154
Exons	16129..16350, 16199..16351		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	16153	End	16539
GI	none	Score	125
Exons	16153..16350, 16205..16351, 16408..16539		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o1.ts	Method	TBLASTX:Soybean
Start	16417	End	17068
GI	none	Score	90
Exons	16417..16551, 16603..16740, 16789..17067, 16823..17068		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244

Name	OJ000223_19.0403.C8.o3.tc	Method	TBLASTX:Cress
Start	16897	End	17340
GI	none	Score	123
Exons	16897..16965, 16997..17179, 16999..17187, 17305..17340		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o3.tm	Method	TBLASTX:Maize
Start	17009	End	17251
GI	none	Score	194
Exons	17009..17251, 17032..17250		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	19167	End	19828
GI	none	Score	194
Exons	19167..19343, 19173..19361, 19175..19345, 19426..19506, 19434..19505, 19750..19827, 19754..19828		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o7.gs	Method	GENSCAN
Start	20918	End	22048
GI	none	Score	.97
Exons	20918..21163, 21286..21390, 21468..21575, 21652..21786, 21948..22048		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o4.np	Method	AAT/NAP
Start	21071	End	22244
GI	6522931	Score	251
Exons	21071..21163, 21286..21387, 21468..21565, 21654..21786, 21948..22048, 22180..22244		
GI Descrip.	(AL132978) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42217	Seq. ID	OJ000223_19.0403.C8
Gene No.	87782	Strand	-
Start	20918	End	22244
Name	OJ000223_19.0403.C8.o5.tm	Method	TBLASTX:Maize
Start	21666	End	22050
GI	none	Score	154
Exons	21666..21785, 21667..21786, 21668..21781, 21939..22049, 21947..22042, 21949..22050		

Seq. No.	42218	Seq. ID	OJ000223_19.0403.C9
Gene No.	87783	Strand	-
Start	1	End	2567
Name	OJ000223_19.0403.C9.o1.np	Method	AAT/NAP
Start	1	End	1266
GI	6522931	Score	158
Exons	1..44, 201..352, 585..653, 770..850, 975..1154, 1234..1266		

GI Descrip. (AL132978) hypothetical protein [Arabidopsis thaliana]

Seq. No.	42218	Seq. ID	OJ000223_19.0403.C9
Gene No.	87783	Strand	-
Start	1	End	2567
Name	OJ000223_19.0403.C9.o1.gs	Method	GENSCAN
Start	215	End	2567
GI	none	Score	.73
Exons	215..352, 770..859, 975..1154, 1234..1435, 1777..1848, 2240..2443, 2542..2567		

Seq. No.	42218	Seq. ID	OJ000223_19.0403.C9
Gene No.	87783	Strand	-
Start	1	End	2567
Name	OJ000223_19.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	591	End	1303
GI	none	Score	74
Exons	591..656, 591..656, 592..657, 595..657, 752..862, 766..861, 767..862, 975..1157, 976..1137, 1232..1303, 1232..1291		

Seq. No.	42219	Seq. ID	OJ000223_19.0403.C10
Gene No.	87784	Strand	-
Start	431	End	782
Name	OJ000223_19.0403.C10.o1.gs	Method	GENSCAN
Start	431	End	782
GI	none	Score	.79
Exons	431..782		

Seq. No.	42220	Seq. ID	OJ000223_19.0403.C11
Gene No.	87785	Strand	+
Start	102	End	350
Name	OJ000223_19.0403.C11.o1.gs	Method	GENSCAN
Start	102	End	350
GI	none	Score	.45
Exons	102..350		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87786	Strand	+
Start	1176	End	6000
Name	OJ000223_19.0403.C12.o1.gs	Method	GENSCAN
Start	1176	End	6000
GI	none	Score	.49
Exons	1176..1901, 3504..3590, 3676..4190, 5709..6000		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87786	Strand	+
Start	1176	End	6000
Name	OJ000223_19.0403.C12.o1.gp	Method	AAT/GAP
Start	1455	End	3712
GI	72052_2.R1084	Score	1031
Exons	1455..1901, 3504..3590, 3676..3712		

GI Descrip. '1703446/sp|P50287|ASPG_ARATH 2.0e-37 L-ASPARAGINASE (L-ASPARAGINE AMIDOHYDROLASE) >gi_1076292_pir__S53127 asparaginase - Arabidopsis thaliana >gi_735918_emb_CAA84367_ (Z34884) asparaginase [Arabidopsis thaliana]'

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12

Gene No.	87786	Strand	+
Start	1176	End	6000
Name	OJ000223_19.0403.C12.o1.np	Method	AAT/NAP
Start	1506	End	4197
GI	231573	Score	845
Exons	1506..1901, 3504..3594, 3665..3750, 3799..4197		
GI Descrip.	L-ASPARAGINASE (L-ASPARAGINE AMIDOHYDROLASE) gi|99970|pir||S24757 asparaginase (EC 3.5.1.1) - narrow-leaved blue lupine gi|19135|emb|CAA43099.1| (X60691) developing seed L-asparaginase [Lupinus angustifolius]		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87786	Strand	+
Start	1176	End	6000
Name	OJ000223_19.0403.C12.o2.gp	Method	AAT/GAP
Start	3845	End	4276
GI	LIB3432-029-P1-K1-C3	Score	848
Exons	3845..4276		
GI Descrip.	'1703447/sp|P50288|ASPG_LUPAL 1.0e-37 L-ASPARAGINASE (L-ASPARAGINE AMIDOHYDROLASE) >gi_496102 (L19141) L-asparaginase [Lupinus albus]'		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87787	Strand	+
Start	6999	End	9554
Name	OJ000223_19.0403.C12.o3.gp	Method	AAT/GAP
Start	6971	End	8177
GI	54071_1.R1084	Score	1496
Exons	6971..7584, 8014..8177		
GI Descrip.	'2911042/emb|CAA17552| 2.0e-57 (AL021961) Phosphoglycerate dehydrogenase - like protein [Arabidopsis thaliana]'		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87787	Strand	+
Start	6999	End	9554
Name	OJ000223_19.0403.C12.o2.gs	Method	GENSCAN
Start	6999	End	9554
GI	none	Score	.99
Exons	6999..7584, 8014..8390, 8512..8622, 8704..8799, 8883..9554		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87787	Strand	+
Start	6999	End	9554
Name	OJ000223_19.0403.C12.o2.np	Method	AAT/NAP
Start	7030	End	9551
GI	7488146	Score	2181
Exons	7030..7584, 8014..8390, 8512..8622, 8704..8799, 8883..9551		
GI Descrip.	probable phosphoglycerate dehydrogenase (EC 1.1.1.95) - Arabidopsis thaliana gi|2911042|emb|CAA17552.1| (AL021961) Phosphoglycerate dehydrogenase-like protein [Arabidopsis thaliana] gi|7270370|emb|CAB80137.1| (AL161585) Phosphoglycerate dehydrogenase-like protein [Arabidopsis thaliana]		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o2.ts	Method	TBLASTX:Soybean

Start	1482	End	4194
GI	none	Score	530
Exons	1482..1901, 1514..1891, 3500..3589, 3501..3590, 3675..3749, 3676..3750, 3762..3890, 3762..4193, 3763..4194		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o2.tm	Method	TBLASTX:Maize
Start	1496	End	3593
GI	none	Score	623
Exons	1496..1897, 1497..1901, 3500..3589, 3501..3590, 3531..3593		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o2.tc	Method	TBLASTX:Cress
Start	1506	End	4188
GI	none	Score	59
Exons	1506..1553, 1533..1895, 1688..1891, 3500..3580, 3504..3587, 3798..4187, 3799..4188		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o3.tm	Method	TBLASTX:Maize
Start	3963	End	4324
GI	none	Score	372
Exons	3963..4205, 3964..4206, 4214..4324, 4215..4250		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o4.tm	Method	TBLASTX:Maize
Start	7208	End	7586
GI	none	Score	331
Exons	7208..7585, 7209..7586		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o3.tc	Method	TBLASTX:Cress
Start	7209	End	8273
GI	none	Score	323
Exons	7209..7589, 7271..7591, 8012..8272, 8013..8273		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o3.ts	Method	TBLASTX:Soybean
Start	7290	End	8345
GI	none	Score	124
Exons	7290..7442, 7304..7441, 7323..7442, 7436..7465, 7440..7475, 7443..7469, 7466..7591, 7467..7589, 8012..8197, 8012..8344, 8013..8345, 8016..8345		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12

Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o1.tm	Method	TBLASTX:Maize
Start	8085	End	9650
GI	none	Score	466
Exons	8085..8399, 8096..8389, 8362..8391, 8511..8624, 8521..8622, 8564..8665, 8703..8801, 8745..8801, 8746..8802, 8871..9500, 8876..9553, 8880..9554, 8927..9553, 9564..9608, 9565..9609, 9566..9607, 9567..9608, 9624..9650		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o1.tc	Method	TBLASTX:Cress
Start	8274	End	9572
GI	none	Score	189
Exons	8274..8399, 8274..8390, 8276..8389, 8511..8618, 8521..8622, 8703..8801, 8745..8807, 8746..8802, 8862..9500, 8876..9223, 8880..9572, 8927..9553, 9277..9567		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o1.ts	Method	TBLASTX:Soybean
Start	8346	End	9554
GI	none	Score	65
Exons	8346..8399, 8502..8624, 8521..8622, 8746..8802, 8748..8804, 8871..9482, 8880..9554, 8927..9553		

Seq. No.	42221	Seq. ID	OJ000223_19.0403.C12
Gene No.	87788	Strand	-
Start	9245	End	9802
Name	OJ000223_19.0403.C12.o4.gp	Method	AAT/GAP
Start	9245	End	9802
GI	37383_1.R1084	Score	1107
Exons	9245..9802		
GI Descrip.	'2911042/emb|CAA17552| 1.0e-43 (AL021961) Phosphoglycerate dehydrogenase - like protein [Arabidopsis thaliana]'		

Seq. No.	42222	Seq. ID	OJ000223_19.0403.C13
Gene No.	87789	Strand	-
Start	1	End	1282
Name	OJ000223_19.0403.C13.o1.np	Method	AAT/NAP
Start	1	End	1282
GI	4160292	Score	122
Exons	1..32, 604..689, 974..1075, 1249..1282		
GI Descrip.	(Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87790	Strand	+
Start	6175	End	7474
Name	OJ000223_19.0403.C14.o2.gs	Method	GENSCAN
Start	6175	End	7474
GI	none	Score	.97
Exons	6175..6272, 7171..7474		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14

Gene No.	87791	Strand	+
Start	8749	End	9696
Name	OJ000223_19.0403.C14.o3.gs	Method	GENSCAN
Start	8749	End	9696
GI	none	Score	.66
Exons	8749..9696		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87792	Strand	-
Start	1	End	4257
Name	OJ000223_19.0403.C14.o1.np	Method	AAT/NAP
Start	1	End	2021
GI	4160292	Score	478
Exons	1..33, 122..234, 652..863, 1401..1477, 1794..2021		
GI Descrip.	(Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87792	Strand	-
Start	1	End	4257
Name	OJ000223_19.0403.C14.o1.gs	Method	GENSCAN
Start	113	End	4257
GI	none	Score	.6
Exons	113..234, 652..695, 1401..1477, 1794..2085, 2363..2508, 2921..3445, 3526..3717, 3816..3865, 4041..4257		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87792	Strand	-
Start	1	End	4257
Name	OJ000223_19.0403.C14.o1.gp	Method	AAT/GAP
Start	1401	End	1814
GI	uC-osflcyp179b04b1	Score	158
Exons	1401..1477, 1794..1814		
GI Descrip.	'4160292/emb|CAA77084| 5.0e-19 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]'		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87792	Strand	-
Start	1	End	4257
Name	OJ000223_19.0403.C14.o2.gp	Method	AAT/GAP
Start	1794	End	2078
GI	uC-osflcyp179b04b1	Score	478
Exons	1794..2078		
GI Descrip.	'4160292/emb|CAA77084| 5.0e-19 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]'		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87792	Strand	-
Start	1	End	4257
Name	OJ000223_19.0403.C14.o2.np	Method	AAT/NAP
Start	2894	End	4242
GI	2429288	Score	953
Exons	2894..3445, 3526..3723, 4051..4242		
GI Descrip.	(AF014468) peroxidase [Oryza sativa]		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87793	Strand	-
Start	9291	End	12558

Name	OJ000223_19.0403.C14.o2.tm	Method	TBLASTX:Maize
Start	113	End	864
GI	none	Score	164
Exons	113..235, 113..232, 640..864, 642..704, 643..861, 653..862		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87793	Strand	-
Start	9291	End	12558
Name	OJ000223_19.0403.C14.o1.ts	Method	TBLASTX:Soybean
Start	2891	End	4263
GI	none	Score	129
Exons	2891..3160, 3149..3445, 3243..3443, 3556..3723, 3569..3727, 4039..4263, 4045..4212		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87793	Strand	-
Start	9291	End	12558
Name	OJ000223_19.0403.C14.o1.tm	Method	TBLASTX:Maize
Start	2894	End	4224
GI	none	Score	58
Exons	2894..3028, 3026..3166, 3218..3463, 3240..3314, 3354..3446, 3556..3723, 3569..3727, 4045..4173, 4048..4182, 4174..4224		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87793	Strand	-
Start	9291	End	12558
Name	OJ000223_19.0403.C14.o1.tw	Method	TBLASTX:Wheat
Start	3035	End	3443
GI	none	Score	145
Exons	3035..3442, 3252..3443		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87793	Strand	-
Start	9291	End	12558
Name	OJ000223_19.0403.C14.o1.tc	Method	TBLASTX:Cress
Start	3041	End	4188
GI	none	Score	127
Exons	3041..3169, 3221..3463, 3246..3443, 3556..3723, 3569..3727, 4048..4188		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87793	Strand	-
Start	9291	End	12558
Name	OJ000223_19.0403.C14.o4.np	Method	AAT/NAP
Start	9291	End	12507
GI	7487161	Score	159
Exons	9291..9334, 10804..11004, 12475..12507		
GI Descrip.	hypothetical protein T19C21.19 - Arabidopsis thaliana gi|3395440|gb|AAC28772.1| (AC004683) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87793	Strand	-
Start	9291	End	12558
Name	OJ000223_19.0403.C14.o4.gs	Method	GENSCAN
Start	10210	End	12558
GI	none	Score	.71

Exons	10210..10718, 10807..10810, 10834..10962, 11165..11377, 11581..11620, 12488..12558		
Seq. No.	42223	Seq. ID	OJ000223_19.0403.C14
Gene No.	87793	Strand	-
Start	9291	End	12558
Name	OJ000223_19.0403.C14.o5.np	Method	AAT/NAP
Start	11141	End	11258
GI	7487315	Score	79
Exons	11141..11258		
GI Descrip.	hypothetical protein T22A6.140 - Arabidopsis thaliana gi|5051773|emb|CAB45066.1| (AL078637) putative protein [Arabidopsis thaliana] gi|7269281|emb|CAB79341.1| (AL161561) putative protein [Arabidopsis thaliana]		
Seq. No.	42224	Seq. ID	OJ000223_19.0403.C15
Gene No.	87794	Strand	+
Start	1	End	3389
Name	OJ000223_19.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	3389
GI	6587815	Score	823
Exons	1..35, 730..1360, 1409..1605, 2288..2402, 2600..3389		
GI Descrip.	(AC010924) Similar to gb|U44028 Arabidopsis thaliana transcription factor CKC and contains a PF|00069 Eukaryotic protein kinase domain.		
Seq. No.	42224	Seq. ID	OJ000223_19.0403.C15
Gene No.	87794	Strand	+
Start	1	End	3389
Name	OJ000223_19.0403.C15.o1.gs	Method	GENSCAN
Start	215	End	2863
GI	none	Score	.81
Exons	215..266, 670..1605, 2288..2395, 2582..2863		
Seq. No.	42224	Seq. ID	OJ000223_19.0403.C15
Gene No.	87794	Strand	+
Start	1	End	3389
Name	OJ000223_19.0403.C15.o1.tc	Method	TBLASTX:Cress
Start	756	End	3389
GI	none	Score	78
Exons	756..815, 1551..1610, 2710..3081, 2773..3018, 2865..3080, 3081..3389, 3089..3388		
Seq. No.	42224	Seq. ID	OJ000223_19.0403.C15
Gene No.	87794	Strand	+
Start	1	End	3389
Name	OJ000223_19.0403.C15.o1.ts	Method	TBLASTX:Soybean
Start	2696	End	3389
GI	none	Score	49
Exons	2696..2863, 2710..2910, 2893..3078, 2905..3057, 2921..3094, 2928..3074, 2948..3079, 3080..3388, 3087..3389		
Seq. No.	42224	Seq. ID	OJ000223_19.0403.C15
Gene No.	87794	Strand	+
Start	1	End	3389
Name	OJ000223_19.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	2710	End	3389

GI	none	Score	374
Exons	2710..3087, 2883..3056, 3077..3388, 3096..3389		

Seq. No.	42224	Seq. ID	OJ000223_19.0403.C15
Gene No.	87794	Strand	+
Start	1	End	3389
Name	OJ000223_19.0403.C15.o1.tw	Method	TBLASTX:Wheat
Start	2725	End	3146
GI	none	Score	59
Exons	2725..2841, 2730..2789, 2763..3077, 2773..3078, 2846..3076, 2865..3077, 3090..3146, 3090..3128		

Seq. No.	42224	Seq. ID	OJ000223_19.0403.C15
Gene No.	87794	Strand	+
Start	1	End	3389
Name	OJ000223_19.0403.C15.o2.tw	Method	TBLASTX:Wheat
Start	3147	End	3389
GI	none	Score	196
Exons	3147..3389, 3179..3325		

Seq. No.	42225	Seq. ID	OJ000303_10.0405.C1
Gene No.	87795	Strand	+
Start	2024	End	2230
Name	OJ000303_10.0405.C1.o1.gs	Method	GENSCAN
Start	2024	End	2230
GI	none	Score	.9
Exons	2024..2230		

Seq. No.	42226	Seq. ID	OJ000303_10.0405.C2
Gene No.	87796	Strand	+
Start	966	End	6020
Name	OJ000303_10.0405.C2.o1.gs	Method	GENSCAN
Start	966	End	6020
GI	none	Score	.69
Exons	966..1008, 1294..1317, 2920..2980, 3066..3294, 4338..4613, 5301..5438, 5535..6020		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87797	Strand	+
Start	31	End	372
Name	OJ000303_10.0405.C3.o1.gs	Method	GENSCAN
Start	31	End	372
GI	none	Score	.62
Exons	31..246, 334..372		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87798	Strand	+
Start	6735	End	10430
Name	OJ000303_10.0405.C3.o3.gs	Method	GENSCAN
Start	6735	End	10248
GI	none	Score	.89
Exons	6735..6877, 7359..7585, 7815..7949, 8286..8521, 8590..8716, 8839..9392, 9924..10010, 10132..10248		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87798	Strand	+
Start	6735	End	10430

Name	OJ000303_10.0405.C3.o2.np	Method	AAT/NAP
Start	7363	End	10261
GI	3763932	Score	706
Exons	7363..7493, 8310..8521, 8590..8715, 8846..9118, 9260..9392, 9924..10010, 10132..10261		
GI Descrip.	(AC004450) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87798	Strand	+
Start	6735	End	10430
Name	OJ000303_10.0405.C3.o3.gp	Method	AAT/GAP
Start	8309	End	8482
GI	none	Score	263
Exons	8309..8482		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87798	Strand	+
Start	6735	End	10430
Name	OJ000303_10.0405.C3.o4.gp	Method	AAT/GAP
Start	9245	End	10430
GI	uC-osf1cyp035a09b1	Score	969
Exons	9245..9392, 9924..10010, 10132..10430		
GI Descrip.	'2880051 2.0e-30 (AC002340) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87799	Strand	-
Start	735	End	3543
Name	OJ000303_10.0405.C3.o1.gp	Method	AAT/GAP
Start	735	End	2884
GI	20702_1.R1084	Score	1262
Exons	735..1069, 1145..1213, 1745..1813, 1883..1904, 2262..2353, 2648..2763, 2859..2884		
GI Descrip.	'6091742/gb|AAF03454.1|AC010797_30 3.0e-54 (AC010797) putative ribosome recycling factor [Arabidopsis thaliana]'		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87799	Strand	-
Start	735	End	3543
Name	OJ000303_10.0405.C3.o2.gs	Method	GENSCAN
Start	989	End	3436
GI	none	Score	.75
Exons	989..1069, 1145..1213, 1745..1813, 1883..1904, 2262..2353, 2648..2805, 2859..3002, 3247..3436		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87799	Strand	-
Start	735	End	3543
Name	OJ000303_10.0405.C3.o1.np	Method	AAT/NAP
Start	992	End	3436
GI	6091742	Score	546
Exons	992..1069, 1145..1213, 1745..1818, 2189..2353, 2648..2763, 2859..3002, 3247..3436		
GI Descrip.	(AC010797) putative ribosome recycling factor [Arabidopsis thaliana]		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3

Gene No.	87799	Strand	-
Start	735	End	3543
Name	OJ000303_10.0405.C3.o2.gp	Method	AAT/GAP
Start	2963	End	3543
GI	2310617	Score	621
Exons	2963..3002, 3247..3543		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o4.tm	Method	TBLASTX:Maize
Start	2259	End	3350
GI	none	Score	132
Exons	2259..2351, 2261..2353, 2262..2363, 2643..2765, 2648..2782, 2648..2773, 2653..2778, 2852..2998, 2855..2992, 2857..2997, 2859..3002, 2884..3000, 3242..3322, 3248..3349, 3249..3350		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o3.np	Method	AAT/NAP
Start	7531	End	15971
GI	3763933	Score	926
Exons	7531..7577, 10532..10644, 11831..11883, 12003..12079, 12167..12300, 12431..12538, 13105..13180, 13212..13441, 13530..13679, 14357..14456, 14890..14973, 15258..15314, 15583..15699, 15816..15971		
GI Descrip.	(AC004450) unknown protein [Arabidopsis thaliana]		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o1.tm	Method	TBLASTX:Maize
Start	8365	End	10212
GI	none	Score	83
Exons	8365..8478, 8375..8479, 8586..8720, 8587..8757, 8861..9121, 8862..9158, 9260..9397, 9261..9398, 9912..10016, 9923..10012, 10129..10212		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o1.ts	Method	TBLASTX:Soybean
Start	8390	End	10016
GI	none	Score	71
Exons	8390..8479, 8587..8757, 8589..8720, 8861..9121, 8862..9122, 9245..9394, 9260..9397, 9261..9398, 9912..10016		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o1.tw	Method	TBLASTX:Wheat
Start	8587	End	9125
GI	none	Score	90
Exons	8587..8718, 8837..9031, 8838..9074, 9086..9121, 9093..9125		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3

Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o1.tc	Method	TBLASTX:Cress
Start	8668	End	9122
GI	none	Score	68
Exons	8668..8766, 8862..9122, 8897..9121		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o2.tc	Method	TBLASTX:Cress
Start	9249	End	9400
GI	none	Score	210
Exons	9249..9317, 9252..9398, 9254..9400		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o5.gp	Method	AAT/GAP
Start	10743	End	12253
GI	uC-osroM202008c12a1	Score	862
Exons	10743..10963, 11683..11746, 11835..11883, 12003..12079, 12167..12253		
GI Descrip.	'3763933 8.0e-16 (AC004450) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o4.gs	Method	GENSCAN
Start	10913	End	15986
GI	none	Score	.77
Exons	10913..10963, 11835..11883, 12003..12118, 12167..12300, 12431..12538, 13105..13174, 13552..13674, 14384..14428, 14896..14973, 15583..15699, 15816..15986		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o2.tm	Method	TBLASTX:Maize
Start	11690	End	13436
GI	none	Score	61
Exons	11690..11746, 11700..11747, 11829..11885, 11830..11883, 12002..12082, 12002..12082, 12167..12304, 12168..12305, 12168..12305, 12169..12306, 12425..12541, 12432..12539, 12432..12548, 12433..12588, 13097..13180, 13104..13175, 13105..13197, 13355..13432, 13359..13436, 13360..13434		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o3.ts	Method	TBLASTX:Soybean
Start	12018	End	13596
GI	none	Score	50
Exons	12018..12080, 12044..12082, 12167..12304, 12168..12305, 12168..12305, 12432..12539, 12432..12539, 12433..12540, 13103..13180, 13104..13178, 13310..13432, 13355..13435,		

13359..13436, 13359..13457, 13363..13437, 13525..13596

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o3.tm	Method	TBLASTX:Maize
Start	13525	End	15996
GI	none	Score	140
Exons	13525..13677, 13547..13678, 13548..13679, 13550..13708, 14178..14261, 14199..14258, 14364..14435, 14366..14434, 14379..14435, 14891..14974, 14893..15000, 14898..14975, 15257..15316, 15258..15335, 15259..15333, 15583..15705, 15587..15700, 15816..15941, 15817..15906, 15862..15957, 15938..15988, 15939..15995, 15946..15996		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o2.ts	Method	TBLASTX:Soybean
Start	15647	End	15982
GI	none	Score	73
Exons	15647..15703, 15649..15705, 15809..15976, 15816..15977, 15816..15980, 15874..15981, 15875..15982		

Seq. No.	42227	Seq. ID	OJ000303_10.0405.C3
Gene No.	87800	Strand	-
Start	7531	End	16084
Name	OJ000303_10.0405.C3.o6.gp	Method	AAT/GAP
Start	15664	End	16084
GI	none	Score	513
Exons	15664..15699, 15816..16084		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87801	Strand	+
Start	421	End	1442
Name	OJ000303_10.0405.C4.o1.gs	Method	GENSCAN
Start	421	End	1442
GI	none	Score	.44
Exons	421..447, 605..624, 1389..1442		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87802	Strand	+
Start	4350	End	6332
Name	OJ000303_10.0405.C4.o1.np	Method	AAT/NAP
Start	4347	End	6329
GI	3763934	Score	1142
Exons	4347..4925, 5007..5696, 5724..6329		
GI Descrip.	(AC004450) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87802	Strand	+
Start	4350	End	6332
Name	OJ000303_10.0405.C4.o2.gs	Method	GENSCAN
Start	4350	End	6332
GI	none	Score	1
Exons	4350..6332		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87803	Strand	+
Start	13383	End	15176
Name	OJ000303_10.0405.C4.o5.gs	Method	GENSCAN
Start	13383	End	15176
GI	none	Score	.49
Exons	13383..13815, 13990..14175, 14224..14327, 14508..15176		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87803	Strand	+
Start	13383	End	15176
Name	OJ000303_10.0405.C4.o3.np	Method	AAT/NAP
Start	13389	End	15173
GI	1076288	Score	1287
Exons	13389..13810, 13955..14175, 14266..14406, 14521..15173		
GI Descrip.	amino acid permease AAP3 - Arabidopsis thaliana		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87804	Strand	-
Start	1	End	471
Name	OJ000303_10.0405.C4.o1.gp	Method	AAT/GAP
Start	1	End	471
GI	none	Score	463
Exons	1..32, 190..471		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87805	Strand	-
Start	6819	End	9410
Name	OJ000303_10.0405.C4.o2.gp	Method	AAT/GAP
Start	6819	End	9410
GI	5532_1.R1084	Score	2668
Exons	6819..7208, 7297..7400, 7513..7612, 7694..7791, 8088..8140, 8214..8273, 8353..8424, 8567..8638, 8730..8822, 8925..8992, 9073..9410		
GI Descrip.	'2131161/pir||S67800 4.0e-49 4-nitrophenylphosphatase (EC 3.1.3.41) - yeast (Saccharomyces cerevisiae) >gi_1431400_emb_CAA98816_ (Z74284) ORF YDL236w [Saccharomyces cerevisiae]'		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87805	Strand	-
Start	6819	End	9410
Name	OJ000303_10.0405.C4.o3.gs	Method	GENSCAN
Start	7102	End	9343
GI	none	Score	.8
Exons	7102..7208, 7324..7400, 7513..7612, 7694..7791, 8088..8184, 8186..8273, 8353..8424, 8567..8638, 8730..8822, 8925..8992, 9073..9343		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87805	Strand	-
Start	6819	End	9410
Name	OJ000303_10.0405.C4.o2.np	Method	AAT/NAP
Start	7105	End	9163
GI	6319965	Score	212
Exons	7105..7208, 7294..7400, 7513..7637, 7722..7784, 8084..8144, 8285..8430, 8567..8638, 8730..8822, 8925..8992, 9073..9163		

GI Descrip. p-nitrophenyl phosphatase; Pho13p gi|2131161|pir||S67800 4-nitrophenylphosphatase (EC 3.1.3.41) - yeast (Saccharomyces cerevisiae) gi|1431400|emb|CAA98816| (Z74284) ORF YDL236w [Saccharomyces cerevisiae]

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87806	Strand	-
Start	12004	End	12538
Name	OJ000303_10.0405.C4.o4.gs	Method	GENSCAN
Start	12004	End	12538
GI	none	Score	.87
Exons	12004..12087, 12410..12538		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o1.tm	Method	TBLASTX:Maize
Start	4957	End	5629
GI	none	Score	92
Exons	4957..5109, 4959..5624, 4964..5629, 4965..5627		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o2.tm	Method	TBLASTX:Maize
Start	5910	End	6343
GI	none	Score	589
Exons	5910..6335, 5924..6343		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o2.ts	Method	TBLASTX:Soybean
Start	7073	End	9130
GI	none	Score	100
Exons	7073..7210, 7102..7230, 7296..7403, 7296..7403, 7313..7429, 7510..7614, 7512..7613, 7692..7790, 7692..7793, 7693..7791, 8067..8141, 8084..8143, 8087..8140, 8202..8270, 8208..8270, 8212..8271, 8343..8426, 8353..8427, 8564..8644, 8565..8639, 8728..8823, 8730..8825, 8916..9008, 8926..9006, 9071..9130, 9071..9130		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o5.tm	Method	TBLASTX:Maize
Start	7099	End	7369
GI	none	Score	160
Exons	7099..7230, 7100..7216, 7296..7367, 7296..7361, 7313..7369		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o3.tc	Method	TBLASTX:Cress
Start	7102	End	7544
GI	none	Score	85
Exons	7102..7230, 7106..7264, 7296..7430, 7302..7403, 7313..7429,		

7512..7544

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o6.tm	Method	TBLASTX:Maize
Start	7713	End	9121
GI	none	Score	59
Exons	7713..7793, 8085..8141, 8087..8140, 8196..8270, 8202..8270, 8353..8427, 8564..8644, 8565..8654, 8728..8823, 8730..8822, 8931..9008, 8932..9009, 9071..9121, 9074..9121		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o2.tc	Method	TBLASTX:Cress
Start	8728	End	9133
GI	none	Score	135
Exons	8728..8823, 8730..8825, 8916..9008, 8935..9006, 9071..9133		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o1.tc	Method	TBLASTX:Cress
Start	13452	End	15184
GI	none	Score	454
Exons	13452..13820, 13454..13807, 13959..13991, 14001..14201, 14003..14173, 14322..14417, 14523..14777, 14606..14746, 14862..15068, 14888..15184		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o1.ts	Method	TBLASTX:Soybean
Start	13454	End	14972
GI	none	Score	398
Exons	13454..13807, 13455..13820, 13959..13991, 14001..14201, 14009..14194, 14322..14417, 14523..14777, 14609..14758, 14877..14972		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o4.tm	Method	TBLASTX:Maize
Start	13454	End	13819
GI	none	Score	456
Exons	13454..13819, 13455..13811		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o3.tm	Method	TBLASTX:Maize
Start	14091	End	15130
GI	none	Score	87
Exons	14091..14201, 14096..14194, 14318..14398, 14319..14417, 14532..14777, 14600..14758, 14837..15130, 14838..15068		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o1.tw	Method	TBLASTX:Wheat
Start	14655	End	15047
GI	none	Score	152
Exons	14655..14777, 14660..14758, 14849..15019, 14859..15047, 14870..15025		

Seq. No.	42228	Seq. ID	OJ000303_10.0405.C4
Gene No.	87807	Strand	-
Start	14758	End	15285
Name	OJ000303_10.0405.C4.o3.gp	Method	AAT/GAP
Start	14758	End	15285
GI	uC-osroM202019c03a1	Score	1036
Exons	14758..15285		
GI Descrip.	'1076288/pir||S51168 4.0e-22 amino acid permease AAP3 - Arabidopsis thaliana'		

Seq. No.	42229	Seq. ID	OJ000303_10.0405.C5
Gene No.	87808	Strand	-
Start	177	End	4421
Name	OJ000303_10.0405.C5.o1.np	Method	AAT/NAP
Start	177	End	4421
GI	4519258	Score	1102
Exons	177..277, 1272..2625, 2695..3987, 4391..4421		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	42229	Seq. ID	OJ000303_10.0405.C5
Gene No.	87808	Strand	-
Start	177	End	4421
Name	OJ000303_10.0405.C5.o1.ts	Method	TBLASTX:Soybean
Start	3569	End	3961
GI	none	Score	72
Exons	3569..3844, 3597..3797, 3836..3961, 3836..3961		

Seq. No.	42230	Seq. ID	OJ000303_10.0405.C6
Gene No.	87809	Strand	+
Start	1	End	3520
Name	OJ000303_10.0405.C6.o1.np	Method	AAT/NAP
Start	1	End	3520
GI	2129652	Score	249
Exons	1..21, 2146..2442, 2479..3520		
GI Descrip.	myosin heavy chain homolog - Arabidopsis thaliana (fragment) gi|699495 (U19616) myosin heavy chain homolog [Arabidopsis thaliana]		

Seq. No.	42230	Seq. ID	OJ000303_10.0405.C6
Gene No.	87810	Strand	-
Start	5245	End	8194
Name	OJ000303_10.0405.C6.o1.tm	Method	TBLASTX:Maize
Start	2667	End	3051
GI	none	Score	350
Exons	2667..2963, 2668..3051		

Seq. No.	42230	Seq. ID	OJ000303_10.0405.C6
Gene No.	87810	Strand	-

Start	5245	End	8194
Name	OJ000303_10.0405.C6.o2.gs	Method	GENSCAN
Start	5245	End	8194
GI	none	Score	.76
Exons	5245..6079, 6211..6347, 6453..7306, 8170..8194		

Seq. No.	42230	Seq. ID	OJ000303_10.0405.C6
Gene No.	87810	Strand	-
Start	5245	End	8194
Name	OJ000303_10.0405.C6.o2.np	Method	AAT/NAP
Start	5284	End	7580
GI	2213586	Score	797
Exons	5284..6065, 6327..6893, 7089..7306, 7473..7580		
GI Descrip.	(AC000348) T7N9.6 [Arabidopsis thaliana]		

Seq. No.	42230	Seq. ID	OJ000303_10.0405.C6
Gene No.	87810	Strand	-
Start	5245	End	8194
Name	OJ000303_10.0405.C6.o2.tm	Method	TBLASTX:Maize
Start	5302	End	6054
GI	none	Score	60
Exons	5302..5403, 5306..5404, 5452..5646, 5453..5650, 5623..5886, 5728..5814, 5863..6054		

Seq. No.	42230	Seq. ID	OJ000303_10.0405.C6
Gene No.	87810	Strand	-
Start	5245	End	8194
Name	OJ000303_10.0405.C6.o1.tc	Method	TBLASTX:Cress
Start	5311	End	7262
GI	none	Score	120
Exons	5311..5403, 5443..5670, 5740..6057, 6303..6356, 6442..6759, 6450..6500, 6555..6767, 6561..6833, 7002..7022, 7065..7262		

Seq. No.	42230	Seq. ID	OJ000303_10.0405.C6
Gene No.	87810	Strand	-
Start	5245	End	8194
Name	OJ000303_10.0405.C6.o1.ts	Method	TBLASTX:Soybean
Start	5311	End	5877
GI	none	Score	112
Exons	5311..5421, 5452..5649, 5674..5877		

Seq. No.	42230	Seq. ID	OJ000303_10.0405.C6
Gene No.	87810	Strand	-
Start	5245	End	8194
Name	OJ000303_10.0405.C6.o3.tm	Method	TBLASTX:Maize
Start	6319	End	6744
GI	none	Score	104
Exons	6319..6348, 6453..6722, 6453..6500, 6457..6744, 6561..6743		

Seq. No.	42230	Seq. ID	OJ000303_10.0405.C6
Gene No.	87810	Strand	-
Start	5245	End	8194
Name	OJ000303_10.0405.C6.o2.ts	Method	TBLASTX:Soybean
Start	6427	End	6812
GI	none	Score	129
Exons	6427..6804, 6450..6812		

Seq. No.	42230	Seq. ID	OJ000303_10.0405.C6
Gene No.	87810	Strand	-
Start	5245	End	8194
Name	OJ000303_10.0405.C6.o1.tw	Method	TBLASTX:Wheat
Start	6834	End	7536
GI	none	Score	108
Exons	6834..6893, 7089..7280, 7096..7269, 7474..7536		

Seq. No.	42231	Seq. ID	OJ000303_10.0405.C9
Gene No.	87811	Strand	-
Start	1	End	842
Name	OJ000303_10.0405.C9.o1.np	Method	AAT/NAP
Start	1	End	842
GI	2130141	Score	365
Exons	1..411, 502..842		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	42231	Seq. ID	OJ000303_10.0405.C9
Gene No.	87811	Strand	-
Start	1	End	842
Name	OJ000303_10.0405.C9.o1.tm	Method	TBLASTX:Maize
Start	19	End	343
GI	none	Score	149
Exons	19..342, 20..343		

Seq. No.	42231	Seq. ID	OJ000303_10.0405.C9
Gene No.	87811	Strand	-
Start	1	End	842
Name	OJ000303_10.0405.C9.o1.gs	Method	GENSCAN
Start	192	End	699
GI	none	Score	.44
Exons	192..417, 511..699		

Seq. No.	42232	Seq. ID	OJ000303_10.0405.C10
Gene No.	87812	Strand	+
Start	2566	End	3480
Name	OJ000303_10.0405.C10.o1.np	Method	AAT/NAP
Start	2566	End	3480
GI	7228450	Score	84
Exons	2566..2662, 2917..3020, 3161..3296, 3367..3480		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	42233	Seq. ID	OJ000303_10.0405.C11
Gene No.	87813	Strand	+
Start	2617	End	3089
Name	OJ000303_10.0405.C11.o1.gp	Method	AAT/GAP
Start	2617	End	3089
GI	38782_1.R1084	Score	795
Exons	2617..3089		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42233	Seq. ID	OJ000303_10.0405.C11
Gene No.	87814	Strand	-
Start	123	End	5427
Name	OJ000303_10.0405.C11.o1.gs	Method	GENSCAN

Start	123	End	4905
GI	none	Score	.58
Exons	123..286, 460..877, 1721..1825, 2134..2308, 2721..2833, 4810..4905		

Seq. No.	42233	Seq. ID	OJ000303_10.0405.C11
Gene No.	87814	Strand	-
Start	123	End	5427
Name	OJ000303_10.0405.C11.o1.np	Method	AAT/NAP
Start	823	End	2271
GI	6907088	Score	1080
Exons	823..1220, 1721..1958, 2134..2271		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42233	Seq. ID	OJ000303_10.0405.C11
Gene No.	87814	Strand	-
Start	123	End	5427
Name	OJ000303_10.0405.C11.o2.np	Method	AAT/NAP
Start	3503	End	5427
GI	7106528	Score	62
Exons	3503..3643, 5404..5427		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87815	Strand	+
Start	119	End	14696
Name	OJ000303_10.0405.C13.o1.gs	Method	GENSCAN
Start	119	End	14696
GI	none	Score	.77
Exons	119..320, 437..858, 1775..1913, 2237..2345, 4005..4110, 4547..4585, 4841..4995, 5912..6033, 6233..6363, 6811..6908, 7029..7201, 7397..7820, 10937..11014, 11814..12190, 12750..12828, 13766..13928, 14523..14696		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87815	Strand	+
Start	119	End	14696
Name	OJ000303_10.0405.C13.o1.gp	Method	AAT/GAP
Start	574	End	2297
GI	none	Score	922
Exons	574..858, 1775..1913, 2237..2297		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87815	Strand	+
Start	119	End	14696
Name	OJ000303_10.0405.C13.o1.np	Method	AAT/NAP
Start	1775	End	8845
GI	6850324	Score	1229
Exons	1775..1942, 2262..2429, 2542..2642, 3466..3587, 3667..3758, 4005..4110, 4841..5099, 5820..5907, 5964..6020, 6223..6363, 6811..6908, 7029..7225, 7288..7462, 7628..7820, 8626..8845		
GI Descrip.	(AC009999) Contains similarity to CGI-141 protein from Homo sapiens gb|AF151899. ESTs gb|AI992525, gb|AA042356 come from this gene. [Arabidopsis thaliana]		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13

Gene No.	87815	Strand	+
Start	119	End	14696
Name	OJ000303_10.0405.C13.o2.gp	Method	AAT/GAP
Start	2375	End	3587
GI	none	Score	523
Exons	2375..2456, 2542..2642, 3466..3587		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87815	Strand	+
Start	119	End	14696
Name	OJ000303_10.0405.C13.o3.gp	Method	AAT/GAP
Start	7526	End	8719
GI	none	Score	717
Exons	7526..7820, 8626..8719		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87816	Strand	+
Start	20843	End	24039
Name	OJ000303_10.0405.C13.o4.gs	Method	GENSCAN
Start	20843	End	24039
GI	none	Score	.98
Exons	20843..20916, 21966..22097, 22219..22947, 23061..24039		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87816	Strand	+
Start	20843	End	24039
Name	OJ000303_10.0405.C13.o5.gp	Method	AAT/GAP
Start	22431	End	22827
GI	none	Score	775
Exons	22431..22827		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87816	Strand	+
Start	20843	End	24039
Name	OJ000303_10.0405.C13.o2.np	Method	AAT/NAP
Start	22547	End	23940
GI	7434307	Score	826
Exons	22547..22947, 23061..23217, 23342..23940		
GI Descrip.	hypothetical protein F25G13.90 - Arabidopsis thaliana gi|5123941|emb|CAB45499.1| (AL079349) putative protein [Arabidopsis thaliana] gi|7268002|emb|CAB78342.1| (AL161535) putative protein [Arabidopsis thaliana]		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87817	Strand	-
Start	8808	End	9344
Name	OJ000303_10.0405.C13.o4.gp	Method	AAT/GAP
Start	8808	End	9344
GI	none	Score	1026
Exons	8808..9344		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87818	Strand	-
Start	16028	End	17062
Name	OJ000303_10.0405.C13.o2.gs	Method	GENSCAN
Start	16028	End	17062
GI	none	Score	.69

Exons	16028..16408, 16985..17062		
Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87819	Strand	-
Start	18937	End	20560
Name	OJ000303_10.0405.C13.o3.gs	Method	GENSCAN
Start	18937	End	20560
GI	none	Score	.89
Exons	18937..19374, 19529..20560		
Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o1.tm	Method	TBLASTX:Maize
Start	2222	End	2644
GI	none	Score	240
Exons	2222..2455, 2229..2465, 2230..2457, 2548..2643, 2549..2644		
Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o5.tm	Method	TBLASTX:Maize
Start	6810	End	7224
GI	none	Score	93
Exons	6810..6881, 6810..6881, 6811..6882, 7029..7220, 7033..7224, 7040..7222		
Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o2.tm	Method	TBLASTX:Maize
Start	7452	End	8714
GI	none	Score	57
Exons	7452..7517, 7452..7520, 7520..7771, 7522..7821, 7533..7823, 7552..7830, 7575..7823, 8615..8665, 8694..8714		
Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o2.tw	Method	TBLASTX:Wheat
Start	19623	End	19988
GI	none	Score	134
Exons	19623..19988, 19679..19987		
Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o2.ts	Method	TBLASTX:Soybean
Start	20291	End	20641
GI	none	Score	175
Exons	20291..20347, 20441..20641		
Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o1.tw	Method	TBLASTX:Wheat
Start	20375	End	20647

GI	none	Score	169
Exons	20375..20641, 20408..20647		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o6.tm	Method	TBLASTX:Maize
Start	20414	End	20635
GI	none	Score	193
Exons	20414..20635		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o3.ts	Method	TBLASTX:Soybean
Start	22591	End	22951
GI	none	Score	66
Exons	22591..22653, 22592..22654, 22598..22654, 22763..22951, 22777..22950		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o1.tc	Method	TBLASTX:Cress
Start	22769	End	23805
GI	none	Score	99
Exons	22769..22951, 23038..23193, 23106..23192, 23487..23648, 23488..23667, 23494..23685, 23701..23760, 23749..23805		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o4.tm	Method	TBLASTX:Maize
Start	22781	End	23199
GI	none	Score	103
Exons	22781..22951, 23062..23199, 23097..23192		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o1.ts	Method	TBLASTX:Soybean
Start	23086	End	23820
GI	none	Score	158
Exons	23086..23202, 23109..23192, 23479..23751, 23490..23693, 23494..23733, 23749..23820		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o3.tm	Method	TBLASTX:Maize
Start	23497	End	23820
GI	none	Score	234
Exons	23497..23688, 23500..23679, 23698..23760, 23748..23798, 23749..23820		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-

Start	28573	End	31631
Name	OJ000303_10.0405.C13.o3.tw	Method	TBLASTX:Wheat
Start	23518	End	23796
GI	none	Score	159
Exons	23518..23670, 23523..23669, 23665..23757, 23698..23796, 23704..23772		

Seq. No.	42234	Seq. ID	OJ000303_10.0405.C13
Gene No.	87820	Strand	-
Start	28573	End	31631
Name	OJ000303_10.0405.C13.o6.gs	Method	GENSCAN
Start	28573	End	31631
GI	none	Score	.86
Exons	28573..28704, 28855..28961, 29761..30062, 31241..31276, 31549..31631		

Seq. No.	42235	Seq. ID	OJ000303_10.0405.C15
Gene No.	87821	Strand	-
Start	642	End	752
Name	OJ000303_10.0405.C15.o1.gs	Method	GENSCAN
Start	642	End	752
GI	none	Score	.9
Exons	642..752		

Seq. No.	42236	Seq. ID	OJ000303_10.0405.C16
Gene No.	87822	Strand	-
Start	4299	End	12158
Name	OJ000303_10.0405.C16.o1.np	Method	AAT/NAP
Start	4293	End	11961
GI	3914403	Score	983
Exons	4293..4401, 4658..4768, 4924..4998, 5082..5190, 5798..5924, 6933..7007, 7107..7295, 7970..8102, 9368..9408, 9702..9767, 9884..9920, 10331..10410, 10697..10753, 10842..10892, 10987..11052, 11632..11767, 11891..11961		
GI Descrip.	PROTOPORPHYRINOGEN OXIDASE, MITOCHONDRIAL (PPO II) (PROTOPORPHYRINOGEN IX OXIDASE ISOZYME II) (PPX II) gi|7489194|pir||T04076 protoporphyrinogen oxidase (EC 1.3.3.4) IX, mitochondrial - common tobacco gi|2370335|emb|CAA73866.1| (Y13466) protoporphyrinogen oxidase [Nicotiana tabacum] gi|3929920|dbj|BAA34712.1| (AB020500) mitochondrial protoporphyrinogen oxidase [Nic		

Seq. No.	42236	Seq. ID	OJ000303_10.0405.C16
Gene No.	87822	Strand	-
Start	4299	End	12158
Name	OJ000303_10.0405.C16.o2.gs	Method	GENSCAN
Start	4299	End	11952
GI	none	Score	.88
Exons	4299..4405, 5798..5924, 6212..6256, 6933..7007, 7107..7295, 7970..8102, 9368..9408, 9702..9767, 10697..10753, 10842..10892, 10987..11052, 11632..11767, 11891..11952		

Seq. No.	42236	Seq. ID	OJ000303_10.0405.C16
Gene No.	87822	Strand	-
Start	4299	End	12158
Name	OJ000303_10.0405.C16.o1.ts	Method	TBLASTX:Soybean
Start	4311	End	11770

GI	none	Score	82
Exons	4311..4406, 4312..4407, 4658..4759, 4660..4767, 4921..4980, 4926..4991, 5081..5191, 5082..5192, 5790..5828, 5791..5823, 5818..5925, 5820..5927, 6930..7007, 7964..8104, 9367..9417, 9693..9770, 9703..9768, 9854..9922, 9867..9923, 10684..10761, 10839..10892, 10987..11052, 11621..11770, 11623..11769		

Seq. No.	42236	Seq. ID	OJ000303_10.0405.C16
Gene No.	87822	Strand	-
Start	4299	End	12158
Name	OJ000303_10.0405.C16.o1.gp	Method	AAT/GAP
Start	4678	End	7134
GI	LIB3433-051-P1-K1-F6	Score	825
Exons	4678..4768, 4925..4998, 5082..5190, 5798..5924, 6933..7007, 7107..7134		
GI Descrip.	'4586308/dbj|BAA76348.1| 8.0e-43 (AB025102) protoporphyrinogen IX oxidase [Glycine max]'		

Seq. No.	42236	Seq. ID	OJ000303_10.0405.C16
Gene No.	87822	Strand	-
Start	4299	End	12158
Name	OJ000303_10.0405.C16.o2.gp	Method	AAT/GAP
Start	7270	End	11029
GI	uC-osf1cyp176d01b1	Score	959
Exons	7270..7295, 7970..8102, 9337..9408, 9702..9767, 9884..9920, 10325..10410, 10697..10753, 10842..10892, 10987..11029		
GI Descrip.	'4586308/dbj|BAA76348.1| 6.0e-44 (AB025102) protoporphyrinogen IX oxidase [Glycine max]'		

Seq. No.	42236	Seq. ID	OJ000303_10.0405.C16
Gene No.	87822	Strand	-
Start	4299	End	12158
Name	OJ000303_10.0405.C16.o1.tm	Method	TBLASTX:Maize
Start	11002	End	11770
GI	none	Score	199
Exons	11002..11052, 11584..11769, 11593..11766, 11594..11770		

Seq. No.	42236	Seq. ID	OJ000303_10.0405.C16
Gene No.	87822	Strand	-
Start	4299	End	12158
Name	OJ000303_10.0405.C16.o3.gp	Method	AAT/GAP
Start	11652	End	12158
GI	3760686	Score	722
Exons	11652..11767, 11891..12158		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87823	Strand	+
Start	1047	End	1411
Name	OJ000303_10.0405.C17.o1.gp	Method	AAT/GAP
Start	1047	End	1411
GI	none	Score	635
Exons	1047..1411		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87824	Strand	+
Start	1457	End	20892
Name	OJ000303_10.0405.C17.o5.np	Method	AAT/NAP

Start	1457	End	20892
GI	5821153	Score	99
Exons	1457..1660, 13648..13819, 18434..18951, 19271..19529, 20454..20536, 20593..20715, 20800..20892		
GI Descrip.	(AB016092) RNA binding protein [Homo sapiens]		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87824	Strand	+
Start	1457	End	20892
Name	OJ000303_10.0405.C17.o2.gs	Method	GENSCAN
Start	6539	End	7645
GI	none	Score	.7
Exons	6539..6746, 6770..6839, 6926..7022, 7592..7645		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87824	Strand	+
Start	1457	End	20892
Name	OJ000303_10.0405.C17.o5.gp	Method	AAT/GAP
Start	14068	End	14486
GI	LIB3431-024-P1-N1-G11	Score	831
Exons	14068..14486		
GI Descrip.	'2673918 2.0e-15 (AC002561) unknwon protein [Arabidopsis thaliana]'		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87825	Strand	-
Start	1262	End	8708
Name	OJ000303_10.0405.C17.o1.np	Method	AAT/NAP
Start	934	End	4744
GI	6382522	Score	1371
Exons	934..1039, 1360..2096, 2249..2460, 2506..3471, 3683..3790, 4001..4186, 4694..4744		
GI Descrip.	(AC011020) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87825	Strand	-
Start	1262	End	8708
Name	OJ000303_10.0405.C17.o1.gs	Method	GENSCAN
Start	1262	End	4744
GI	none	Score	.99
Exons	1262..2096, 2249..3471, 3683..3790, 4001..4186, 4694..4744		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87825	Strand	-
Start	1262	End	8708
Name	OJ000303_10.0405.C17.o2.gp	Method	AAT/GAP
Start	2268	End	3159
GI	29994_1.R1084	Score	1758
Exons	2268..3159		
GI Descrip.	'2829887 9.0e-42 (AC002396) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87825	Strand	-
Start	1262	End	8708
Name	OJ000303_10.0405.C17.o3.gp	Method	AAT/GAP
Start	3992	End	8708

GI	29329_1.R1084	Score	780
Exons	3992..4186, 4694..4772, 5105..5157, 8604..8708		
GI Descrip.	'2673918 2.0e-15 (AC002561) unknwon protein [Arabidopsis thaliana]'		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87826	Strand	-
Start	8936	End	17848
Name	OJ000303_10.0405.C17.o3.gs	Method	GENSCAN
Start	8936	End	17848
GI	none	Score	.53
Exons	8936..9046, 10356..10473, 10536..10657, 10841..10929, 11290..11370, 11869..12033, 12615..12717, 13300..13422, 13554..13920, 14178..14198, 14410..14458, 16237..16441, 16682..16702, 17792..17848		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87826	Strand	-
Start	8936	End	17848
Name	OJ000303_10.0405.C17.o3.np	Method	AAT/NAP
Start	9154	End	11457
GI	5001454	Score	102
Exons	9154..9194, 11202..11457		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87826	Strand	-
Start	8936	End	17848
Name	OJ000303_10.0405.C17.o2.np	Method	AAT/NAP
Start	10245	End	14912
GI	6069646	Score	1275
Exons	10245..11215, 14893..14912		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87826	Strand	-
Start	8936	End	17848
Name	OJ000303_10.0405.C17.o4.gp	Method	AAT/GAP
Start	11687	End	12679
GI	702652	Score	867
Exons	11687..12033, 12404..12472, 12615..12679		
GI Descrip.	2673918 2.0e-15 (AC002561) unknwon protein [Arabidopsis thaliana]		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87826	Strand	-
Start	8936	End	17848
Name	OJ000303_10.0405.C17.o4.np	Method	AAT/NAP
Start	12395	End	17010
GI	3763923	Score	196
Exons	12395..12472, 12615..12680, 13300..13408, 16926..17010		
GI Descrip.	(AC004450) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87826	Strand	-
Start	8936	End	17848
Name	OJ000303_10.0405.C17.o6.gp	Method	AAT/GAP
Start	14604	End	14946
GI	none	Score	623
Exons	14604..14946		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o2.ts	Method	TBLASTX:Soybean
Start	1466	End	1735
GI	none	Score	103
Exons	1466..1735, 1485..1685		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o1.tm	Method	TBLASTX:Maize
Start	1613	End	2029
GI	none	Score	270
Exons	1613..1921, 1620..1922, 1905..2024, 1907..2023, 1928..2029		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o1.tc	Method	TBLASTX:Cress
Start	1868	End	3049
GI	none	Score	85
Exons	1868..2125, 2248..2370, 2368..2457, 2710..3000, 2715..2972, 2716..2973, 2738..3049		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o2.tm	Method	TBLASTX:Maize
Start	2033	End	3001
GI	none	Score	87
Exons	2033..2125, 2242..2406, 2246..2413, 2248..2445, 2707..3000, 2744..3001		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o1.ts	Method	TBLASTX:Soybean
Start	2722	End	3013
GI	none	Score	148
Exons	2722..2991, 2722..3012, 2738..3013		

Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o1.tw	Method	TBLASTX:Wheat
Start	2764	End	2998
GI	none	Score	134

Exons	2764..2997, 2765..2998		
Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o3.tm	Method	TBLASTX:Maize
Start	10275	End	14921
GI	none	Score	88
Exons	10275..10460, 10484..10738, 10485..10697, 10514..10738, 10730..10855, 14511..14663, 14672..14731, 14767..14841, 14768..14842, 14846..14920, 14850..14921		
Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o2.tw	Method	TBLASTX:Wheat
Start	10371	End	14962
GI	none	Score	71
Exons	10371..10406, 10526..10723, 14740..14841, 14846..14962		
Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o4.tm	Method	TBLASTX:Maize
Start	11147	End	11440
GI	none	Score	143
Exons	11147..11440, 11157..11438		
Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o4.gs	Method	GENSCAN
Start	18505	End	18966
GI	none	Score	.69
Exons	18505..18966		
Seq. No.	42237	Seq. ID	OJ000303_10.0405.C17
Gene No.	87827	Strand	-
Start	18505	End	19050
Name	OJ000303_10.0405.C17.o7.gp	Method	AAT/GAP
Start	18737	End	19050
GI	none	Score	572
Exons	18737..19050		
Seq. No.	42238	Seq. ID	OJ000303_10.0405.C18
Gene No.	87828	Strand	-
Start	1	End	1076
Name	OJ000303_10.0405.C18.o1.np	Method	AAT/NAP
Start	1	End	1076
GI	6721515	Score	186
Exons	1..37, 249..532, 623..772, 1054..1076		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		
Seq. No.	42238	Seq. ID	OJ000303_10.0405.C18
Gene No.	87828	Strand	-
Start	1	End	1076
Name	OJ000303_10.0405.C18.o1.tm	Method	TBLASTX:Maize

Start	298	End	975
GI	none	Score	65
Exons	298..441, 299..430, 451..504, 451..534, 649..975, 653..940		

Seq. No.	42238	Seq. ID	OJ000303_10.0405.C18
Gene No.	87828	Strand	-
Start	1	End	1076
Name	OJ000303_10.0405.C18.o2.np	Method	AAT/NAP
Start	592	End	1076
GI	4680209	Score	172
Exons	592..724, 794..1076		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	42239	Seq. ID	OJ000303_13.0407.C2
Gene No.	87829	Strand	+
Start	15557	End	16555
Name	OJ000303_13.0407.C2.o3.gs	Method	GENSCAN
Start	15557	End	16555
GI	none	Score	.42
Exons	15557..15578, 16377..16555		

Seq. No.	42239	Seq. ID	OJ000303_13.0407.C2
Gene No.	87830	Strand	+
Start	17744	End	18102
Name	OJ000303_13.0407.C2.o4.gs	Method	GENSCAN
Start	17744	End	18102
GI	none	Score	.57
Exons	17744..18102		

Seq. No.	42239	Seq. ID	OJ000303_13.0407.C2
Gene No.	87831	Strand	-
Start	3537	End	5699
Name	OJ000303_13.0407.C2.o1.gs	Method	GENSCAN
Start	3537	End	5699
GI	none	Score	.59
Exons	3537..3595, 5618..5699		

Seq. No.	42239	Seq. ID	OJ000303_13.0407.C2
Gene No.	87832	Strand	-
Start	7636	End	13514
Name	OJ000303_13.0407.C2.o2.gs	Method	GENSCAN
Start	7636	End	13514
GI	none	Score	.8
Exons	7636..7785, 7813..7920, 8081..10525, 10553..10660, 11485..11702, 12229..12269, 12383..12444, 12592..12754, 13444..13514		

Seq. No.	42239	Seq. ID	OJ000303_13.0407.C2
Gene No.	87832	Strand	-
Start	7636	End	13514
Name	OJ000303_13.0407.C2.o1.tm	Method	TBLASTX:Maize
Start	11461	End	11706
GI	none	Score	154
Exons	11461..11703, 11489..11704, 11542..11706		

Seq. No.	42239	Seq. ID	OJ000303_13.0407.C2
Gene No.	87832	Strand	-
Start	7636	End	13514

Name	OJ000303_13.0407.C2.o2.np	Method	AAT/NAP
Start	11476	End	12792
GI	4903139	Score	615
Exons	11476..11702, 12229..12269, 12383..12444, 12592..12792		
GI Descrip.	(AB027456) extensive homology to FT (FLOWERING LOCUS T, AB027504) and TSF (TWIN SISTER OF FT, AB027506) genes of Arabidopsis thaliana; similar to mammalian phophatidylethanolamine binding protein (PEBP) and hippocampal cholin...		

Seq. No.	42239	Seq. ID	OJ000303_13.0407.C2
Gene No.	87832	Strand	-
Start	7636	End	13514
Name	OJ000303_13.0407.C2.o1.ts	Method	TBLASTX:Soybean
Start	11479	End	11706
GI	none	Score	228
Exons	11479..11703, 11486..11704, 11542..11706		

Seq. No.	42239	Seq. ID	OJ000303_13.0407.C2
Gene No.	87832	Strand	-
Start	7636	End	13514
Name	OJ000303_13.0407.C2.o2.tm	Method	TBLASTX:Maize
Start	12224	End	12800
GI	none	Score	66
Exons	12224..12268, 12228..12269, 12377..12442, 12378..12443, 12381..12452, 12382..12444, 12382..12453, 12560..12775, 12583..12774, 12777..12800		

Seq. No.	42239	Seq. ID	OJ000303_13.0407.C2
Gene No.	87832	Strand	-
Start	7636	End	13514
Name	OJ000303_13.0407.C2.o2.ts	Method	TBLASTX:Soybean
Start	12230	End	12787
GI	none	Score	135
Exons	12230..12268, 12382..12453, 12560..12787, 12583..12786		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87833	Strand	+
Start	5887	End	5989
Name	OJ000303_13.0407.C3.o1.gp	Method	AAT/GAP
Start	5887	End	5989
GI	5867_1.R1084	Score	141
Exons	5887..5989		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87834	Strand	+
Start	9186	End	9955
Name	OJ000303_13.0407.C3.o3.gs	Method	GENSCAN
Start	9186	End	9955
GI	none	Score	.47

Exons	9186..9348, 9669..9719, 9885..9955		
Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87835	Strand	+
Start	10485	End	12845
Name	OJ000303_13.0407.C3.o2.gp	Method	AAT/GAP
Start	10423	End	12845
GI	1794_1.R1084	Score	2834
Exons	10423..10737, 10824..11033, 11124..11546, 12335..12845		
GI Descrip.	'5734634/dbj|BAA83365.1| 4.0e-10 (AP000391) Similar to putative lipase (AC006232) [Oryza sativa]'		
Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87835	Strand	+
Start	10485	End	12845
Name	OJ000303_13.0407.C3.o4.gs	Method	GENSCAN
Start	10485	End	12552
GI	none	Score	.9
Exons	10485..10826, 10862..11033, 11124..11546, 12335..12552		
Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87835	Strand	+
Start	10485	End	12845
Name	OJ000303_13.0407.C3.o1.np	Method	AAT/NAP
Start	10503	End	12546
GI	7523511	Score	1133
Exons	10503..10737, 10824..11033, 11124..11546, 12335..12546		
GI Descrip.	(AP001633) ESTs AU032777(S14085),C23613(S14085) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F10A12 genomic sequence; putative lipase (AC006232) [Oryza sativa]		
Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87836	Strand	-
Start	3662	End	6424
Name	OJ000303_13.0407.C3.o2.gs	Method	GENSCAN
Start	3662	End	6424
GI	none	Score	.88
Exons	3662..3750, 5189..5263, 6105..6237, 6416..6424		
Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87837	Strand	-
Start	13966	End	18564
Name	OJ000303_13.0407.C3.o3.gp	Method	AAT/GAP
Start	13579	End	14042
GI	4714605	Score	838
Exons	13579..14042		
Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87837	Strand	-
Start	13966	End	18564
Name	OJ000303_13.0407.C3.o5.gs	Method	GENSCAN
Start	13966	End	18564
GI	none	Score	.88
Exons	13966..14060, 14451..14593, 15192..15305, 16705..16804, 16904..16986, 17060..17212, 18146..18564		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87837	Strand	-
Start	13966	End	18564
Name	OJ000303_13.0407.C3.o2.np	Method	AAT/NAP
Start	13969	End	18564
GI	7487205	Score	676
Exons	13969..14060, 14451..14593, 16705..16804, 16904..16986, 17060..17212, 18146..18564		
GI Descrip.	hypothetical protein T19L18.9 - Arabidopsis thaliana gi|3413704|gb|AAC31227.1| (AC004747) unknown protein [Arabidopsis thaliana]		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87837	Strand	-
Start	13966	End	18564
Name	OJ000303_13.0407.C3.o4.gp	Method	AAT/GAP
Start	14472	End	16804
GI	4714604	Score	644
Exons	14472..14593, 15192..15305, 16705..16804		
GI Descrip.	3413704 2.0e-24 (AC004747) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87838	Strand	-
Start	19752	End	20078
Name	OJ000303_13.0407.C3.o6.gs	Method	GENSCAN
Start	19752	End	20078
GI	none	Score	.99
Exons	19752..20078		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87839	Strand	-
Start	20488	End	22238
Name	OJ000303_13.0407.C3.o7.gs	Method	GENSCAN
Start	20488	End	22238
GI	none	Score	.92
Exons	20488..20705, 20805..21102, 21202..21344, 21455..21679, 21759..22029, 22179..22238		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87839	Strand	-
Start	20488	End	22238
Name	OJ000303_13.0407.C3.o4.np	Method	AAT/NAP
Start	20494	End	22064
GI	7523511	Score	930
Exons	20494..20695, 20795..21102, 21202..21354, 21474..21679, 21759..21933, 21979..22064		
GI Descrip.	(AP001633) ESTs AU032777(S14085),C23613(S14085) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F10A12 genomic sequence; putative lipase (AC006232) [Oryza sativa]		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87839	Strand	-
Start	20488	End	22238
Name	OJ000303_13.0407.C3.o5.gp	Method	AAT/GAP
Start	21744	End	21987

GI	1632101	Score	346
Exons	21744..21987		
GI Descrip.	5734634/dbj|BAA83365.1| 4.0e-10 (AP000391) Similar to putative lipase (AC006232) [Oryza sativa]		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o1.tc	Method	TBLASTX:Cress
Start	10566	End	26466
GI	none	Score	59
Exons	10566..10619, 10665..10736, 10835..10855, 11123..11389, 11390..11566, 12334..12537, 12438..12536, 20506..20703, 20507..20686, 20803..20871, 20912..20986, 20992..21099, 21438..21533, 21546..21620, 21648..21680, 21754..21831, 21886..21936, 25394..25585, 25395..25586, 26045..26203, 26210..26419, 26425..26466		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o1.tm	Method	TBLASTX:Maize
Start	10566	End	26466
GI	none	Score	298
Exons	10566..10736, 10572..10664, 10586..10735, 10826..11032, 10828..11028, 11110..11256, 11123..11548, 11123..11272, 11209..11547, 12334..12558, 12429..12557, 20479..20661, 20479..20703, 20498..20686, 20803..20868, 20896..21108, 20901..20957, 21026..21103, 21190..21402, 21197..21355, 21471..21536, 21471..21623, 21493..21624, 21642..21668, 21760..21849, 21761..21847, 21874..21936, 21881..21934, 25386..25565, 25391..25585, 25392..25586, 26045..26419, 26046..26123, 26199..26420, 26418..26465, 26422..26466		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o4.tw	Method	TBLASTX:Wheat
Start	10566	End	21936
GI	none	Score	213
Exons	10566..10736, 10586..10735, 21751..21849, 21752..21850, 21877..21936, 21878..21934		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o5.ts	Method	TBLASTX:Soybean
Start	10572	End	21933
GI	none	Score	77
Exons	10572..10634, 10586..10633, 10658..10732, 10665..10736, 10832..10876, 10874..10972, 21510..21680, 21754..21870, 21886..21933		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o1.tw	Method	TBLASTX:Wheat

Start	10810	End	26419
GI	none	Score	236
Exons	10810..11031, 10826..11029, 11120..11233, 11123..11203, 11190..11231, 21235..21354, 21269..21355, 21471..21536, 21471..21635, 21493..21639, 21642..21674, 26366..26419		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o1.ts	Method	TBLASTX:Soybean
Start	11120	End	26350
GI	none	Score	284
Exons	11120..11509, 20845..20865, 20944..21108, 21190..21291, 26084..26350		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o4.ts	Method	TBLASTX:Soybean
Start	12328	End	25586
GI	none	Score	202
Exons	12328..12561, 20500..20703, 20504..20671, 20666..20689, 25388..25585, 25398..25586		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o2.tw	Method	TBLASTX:Wheat
Start	12340	End	26245
GI	none	Score	240
Exons	12340..12546, 12429..12521, 20494..20691, 20495..20680, 20944..21027, 25394..25579, 25395..25580, 26045..26161, 26162..26245		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o4.tm	Method	TBLASTX:Maize
Start	13852	End	15306
GI	none	Score	34
Exons	13852..13884, 13940..13993, 13973..14062, 13974..14063, 13981..14061, 14448..14594, 14448..14594, 14450..14596, 14450..14596, 14458..14598, 15192..15305, 15193..15306, 15193..15306		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o3.tc	Method	TBLASTX:Cress
Start	15242	End	16985
GI	none	Score	69
Exons	15242..15304, 16704..16805, 16704..16805, 16705..16806, 16905..16985		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486

Name	OJ000303_13.0407.C3.o2.ts	Method	TBLASTX:Soybean
Start	16681	End	18268
GI	none	Score	105
Exons	16681..16806, 16704..16805, 16905..17045, 16925..16990, 17059..17205, 17059..17214, 18131..18268, 18142..18267		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o2.tm	Method	TBLASTX:Maize
Start	16704	End	18229
GI	none	Score	120
Exons	16704..16805, 16704..16805, 16705..16806, 16898..16990, 16901..16984, 16903..16986, 16905..17060, 16905..17060, 17058..17210, 17058..17210, 17059..17211, 17059..17214, 18131..18229, 18142..18228		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o3.ts	Method	TBLASTX:Soybean
Start	19833	End	20060
GI	none	Score	71
Exons	19833..20060, 19867..20001		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o2.tc	Method	TBLASTX:Cress
Start	19836	End	20060
GI	none	Score	77
Exons	19836..20060, 19867..20001		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o3.tm	Method	TBLASTX:Maize
Start	19836	End	20033
GI	none	Score	96
Exons	19836..20033, 19867..19998		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o3.tw	Method	TBLASTX:Wheat
Start	19836	End	20000
GI	none	Score	111
Exons	19836..20000, 19864..19998		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o6.gp	Method	AAT/GAP
Start	25094	End	26219
GI	28337_1.R1084	Score	1189
Exons	25094..25584, 26047..26219		
GI Descrip.	'5734636/dbj|BAA83367.1| 2.0e-28 (AP000391) Similar to putative		

lipase (AC006232) [Oryza sativa]'

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o8.gs	Method	GENSCAN
Start	25370	End	26424
GI	none	Score	.85
Exons	25370..25584, 26047..26424		

Seq. No.	42240	Seq. ID	OJ000303_13.0407.C3
Gene No.	87840	Strand	-
Start	25370	End	26486
Name	OJ000303_13.0407.C3.o5.np	Method	AAT/NAP
Start	25373	End	26486
GI	7523511	Score	611
Exons	25373..25584, 26047..26486		
GI Descrip.	(AP001633) ESTs AU032777(S14085),C23613(S14085) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F10A12 genomic sequence; putative lipase (AC006232) [Oryza sativa]		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87841	Strand	+
Start	9021	End	10029
Name	OJ000303_13.0407.C4.o2.np	Method	AAT/NAP
Start	8871	End	10026
GI	7523515	Score	653
Exons	8871..9265, 9370..9534, 9870..10026		
GI Descrip.	(AP001633) ESTs AU083470(E11568),C20136(E11568) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F16M14 genomic sequence; unknown protein (AC003028) [Oryza sativa]		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87841	Strand	+
Start	9021	End	10029
Name	OJ000303_13.0407.C4.o4.gs	Method	GENSCAN
Start	9021	End	10029
GI	none	Score	.72
Exons	9021..9265, 9370..9534, 9903..10029		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87842	Strand	+
Start	13093	End	13400
Name	OJ000303_13.0407.C4.o3.gp	Method	AAT/GAP
Start	13093	End	13400
GI	LIB3433-037-P1-K1-H5	Score	427
Exons	13093..13239, 13261..13400		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 9.0e-92 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87843	Strand	+
Start	21800	End	22945
Name	OJ000303_13.0407.C4.o3.np	Method	AAT/NAP
Start	21800	End	22945

GI	6069646	Score	465
Exons	21800..22586, 22873..22945		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87844	Strand	-
Start	1	End	235
Name	OJ000303_13.0407.C4.o1.gp	Method	AAT/GAP
Start	1	End	235
GI	42788_1.R1084	Score	450
Exons	1..235		
GI Descrip.	'5734634/dbj|BAA83365.1| 3.0e-44 (AP000391) Similar to putative lipase (AC006232) [Oryza sativa]'		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87844	Strand	-
Start	1	End	235
Name	OJ000303_13.0407.C4.o1.np	Method	AAT/NAP
Start	1	End	186
GI	7523511	Score	140
Exons	1..186		
GI Descrip.	(AP001633) ESTs AU032777(S14085),C23613(S14085) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F10A12 genomic sequence; putative lipase (AC006232) [Oryza sativa]		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87844	Strand	-
Start	1	End	235
Name	OJ000303_13.0407.C4.o1.gs	Method	GENSCAN
Start	55	End	177
GI	none	Score	.81
Exons	55..177		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87845	Strand	-
Start	1692	End	2064
Name	OJ000303_13.0407.C4.o2.gp	Method	AAT/GAP
Start	1692	End	2064
GI	none	Score	731
Exons	1692..2064		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87846	Strand	-
Start	16492	End	23772
Name	OJ000303_13.0407.C4.o6.gs	Method	GENSCAN
Start	16492	End	23772
GI	none	Score	.58
Exons	16492..16619, 17179..17374, 17438..17701, 18181..18401, 18878..19375, 19451..19482, 20460..20602, 21087..21197, 21291..21318, 21611..21725, 22344..22456, 23528..23772		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4

Gene No.	87846	Strand	-
Start	16492	End	23772
Name	OJ000303_13.0407.C4.o4.gp	Method	AAT/GAP
Start	17614	End	19026
GI	2428499	Score	842
Exons	17614..17701, 18180..18401, 18878..19026		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o8.tm	Method	TBLASTX:Maize
Start	1	End	121
GI	none	Score	207
Exons	1..117, 2..121		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o1.tc	Method	TBLASTX:Cress
Start	8867	End	9281
GI	none	Score	199
Exons	8867..9013, 8868..9014, 9083..9169, 9084..9182, 9222..9281		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o5.tm	Method	TBLASTX:Maize
Start	8867	End	9014
GI	none	Score	245
Exons	8867..9010, 8874..9014		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o1.ts	Method	TBLASTX:Soybean
Start	8870	End	10017
GI	none	Score	185
Exons	8870..9013, 8871..9014, 9083..9259, 9084..9284, 9380..9535, 9400..9534, 9868..10017		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o2.tw	Method	TBLASTX:Wheat
Start	8970	End	9278
GI	none	Score	73
Exons	8970..9014, 9083..9163, 9084..9278		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o9.tm	Method	TBLASTX:Maize
Start	9083	End	9266
GI	none	Score	206
Exons	9083..9265, 9084..9266		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4

Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o6.tm	Method	TBLASTX:Maize
Start	9454	End	10031
GI	none	Score	129
Exons	9454..9534, 9455..9535, 9455..9538, 9864..10031, 9868..10026		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o1.tm	Method	TBLASTX:Maize
Start	21772	End	22188
GI	none	Score	404
Exons	21772..22188, 21774..22187, 21796..22188		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o7.tm	Method	TBLASTX:Maize
Start	22192	End	22648
GI	none	Score	79
Exons	22192..22278, 22355..22648, 22438..22638		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o1.tw	Method	TBLASTX:Wheat
Start	22448	End	22892
GI	none	Score	181
Exons	22448..22648, 22483..22638, 22731..22892, 22755..22850		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o7.gs	Method	GENSCAN
Start	25187	End	28458
GI	none	Score	.73
Exons	25187..25229, 25594..25659, 26692..26990, 27103..27222, 27307..27483, 27940..28175, 28296..28458		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o3.tm	Method	TBLASTX:Maize
Start	26567	End	27192
GI	none	Score	41
Exons	26567..26596, 26679..26993, 26692..26721, 26821..26991, 26822..27016, 26849..27025, 27103..27138, 27118..27192		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o2.ts	Method	TBLASTX:Soybean
Start	26688	End	28461
GI	none	Score	36
Exons	26688..26717, 26689..26718, 26742..26993, 26824..26991, 27101..27130, 27102..27155, 27307..27441, 27307..27483,		

28042..28191, 28294..28461, 28295..28459

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o4.np	Method	AAT/NAP
Start	26691	End	28958
GI	6598864	Score	448
Exons	26691..26990, 27103..27222, 27307..27441, 27940..28175, 28296..28458, 28929..28958		
GI Descrip.	(AC010556) putative ATPase [Arabidopsis thaliana]		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o4.tm	Method	TBLASTX:Maize
Start	27193	End	27514
GI	none	Score	53
Exons	27193..27231, 27306..27512, 27307..27510, 27307..27513, 27314..27514		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o2.tm	Method	TBLASTX:Maize
Start	27967	End	28461
GI	none	Score	105
Exons	27967..28074, 27969..28076, 28017..28091, 28080..28178, 28083..28169, 28087..28191, 28088..28192, 28294..28461, 28295..28459, 28296..28460		

Seq. No.	42241	Seq. ID	OJ000303_13.0407.C4
Gene No.	87847	Strand	-
Start	25187	End	28958
Name	OJ000303_13.0407.C4.o2.tc	Method	TBLASTX:Cress
Start	28306	End	28461
GI	none	Score	166
Exons	28306..28461, 28307..28459		

Seq. No.	42242	Seq. ID	OJ000303_13.0407.C5
Gene No.	87848	Strand	-
Start	1	End	1291
Name	OJ000303_13.0407.C5.o1.np	Method	AAT/NAP
Start	1	End	1291
GI	6598864	Score	881
Exons	1..214, 332..482, 610..824, 908..1102, 1271..1291		
GI Descrip.	(AC010556) putative ATPase [Arabidopsis thaliana]		

Seq. No.	42242	Seq. ID	OJ000303_13.0407.C5
Gene No.	87848	Strand	-
Start	1	End	1291
Name	OJ000303_13.0407.C5.o1.tc	Method	TBLASTX:Cress
Start	17	End	825
GI	none	Score	93
Exons	17..193, 23..196, 51..212, 329..484, 329..484, 358..486, 609..638, 669..824, 676..825		

Seq. No.	42242	Seq. ID	OJ000303_13.0407.C5
Gene No.	87848	Strand	-
Start	1	End	1291
Name	OJ000303_13.0407.C5.o1.gs	Method	GENSCAN
Start	23	End	1282
GI	none	Score	.94
Exons	23..214, 332..482, 610..824, 908..1282		

Seq. No.	42242	Seq. ID	OJ000303_13.0407.C5
Gene No.	87848	Strand	-
Start	1	End	1291
Name	OJ000303_13.0407.C5.o1.ts	Method	TBLASTX:Soybean
Start	23	End	1042
GI	none	Score	133
Exons	23..220, 54..215, 79..222, 329..484, 329..484, 334..486, 609..818, 610..819, 917..1042, 918..1004		

Seq. No.	42242	Seq. ID	OJ000303_13.0407.C5
Gene No.	87848	Strand	-
Start	1	End	1291
Name	OJ000303_13.0407.C5.o1.tm	Method	TBLASTX:Maize
Start	107	End	825
GI	none	Score	77
Exons	107..220, 111..215, 329..439, 330..374, 335..445, 391..453, 440..484, 609..824, 613..645, 670..825		

Seq. No.	42242	Seq. ID	OJ000303_13.0407.C5
Gene No.	87848	Strand	-
Start	1	End	1291
Name	OJ000303_13.0407.C5.o1.gp	Method	AAT/GAP
Start	149	End	1000
GI	uC-osflM202016a08b1	Score	990
Exons	149..214, 332..482, 610..824, 908..1000		
GI Descrip.	'1652057/dbj|BAA16982| 2.0e-54 (D90902) hypothetical protein [Synechocystis sp.]'		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87849	Strand	+
Start	205	End	1725
Name	OJ000303_13.0407.C6.o1.gs	Method	GENSCAN
Start	205	End	1056
GI	none	Score	.94
Exons	205..1056		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87849	Strand	+
Start	205	End	1725
Name	OJ000303_13.0407.C6.o1.np	Method	AAT/NAP
Start	226	End	1666
GI	6691217	Score	794
Exons	226..1046, 1135..1666		
GI Descrip.	(AC007508) F1K23.10 [Arabidopsis thaliana]		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87849	Strand	+
Start	205	End	1725
Name	OJ000303_13.0407.C6.o2.gs	Method	GENSCAN

Start	1114	End	1725
GI	none	Score	.95
Exons	1114..1725		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87850	Strand	+
Start	1978	End	3513
Name	OJ000303_13.0407.C6.o3.gs	Method	GENSCAN
Start	1978	End	3513
GI	none	Score	.9
Exons	1978..1999, 2120..2449, 2555..2760, 2875..3513		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87851	Strand	+
Start	21768	End	26937
Name	OJ000303_13.0407.C6.o6.gs	Method	GENSCAN
Start	21768	End	26937
GI	none	Score	.96
Exons	21768..23435, 24706..25178, 25462..25711, 26479..26937		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87852	Strand	+
Start	27087	End	27478
Name	OJ000303_13.0407.C6.o3.gp	Method	AAT/GAP
Start	27087	End	27478
GI	none	Score	598
Exons	27087..27478		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87853	Strand	-
Start	3183	End	3609
Name	OJ000303_13.0407.C6.o1.gp	Method	AAT/GAP
Start	3183	End	3609
GI	none	Score	826
Exons	3183..3609		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87854	Strand	-
Start	4127	End	7856
Name	OJ000303_13.0407.C6.o1.tc	Method	TBLASTX:Cress
Start	937	End	1639
GI	none	Score	101
Exons	937..1050, 1141..1560, 1163..1546, 1550..1639		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87854	Strand	-
Start	4127	End	7856
Name	OJ000303_13.0407.C6.o2.gp	Method	AAT/GAP
Start	3840	End	7856
GI	1373_1.R1084	Score	2843
Exons	3840..4627, 4889..5002, 5214..5441, 5546..5689, 7029..7153, 7748..7856		
GI Descrip.	'2342719 2.0e-41 (AC002341) SF16 protein isolog [Arabidopsis thaliana]'		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87854	Strand	-

Start	4127	End	7856
Name	OJ000303_13.0407.C6.o1.tm	Method	TBLASTX:Maize
Start	3901	End	7112
GI	none	Score	45
Exons	3901..3930, 3977..4003, 4076..4096, 4078..4122, 4143..4211, 4150..4212, 4152..4256, 4178..4216, 4214..4327, 4229..4300, 4274..4339, 4312..4365, 4388..4471, 4391..4471, 4457..4645, 4459..4632, 4460..4645, 4879..4995, 4889..5005, 4896..5006, 5202..5444, 5269..5442, 5286..5444, 5535..5672, 5536..5670, 5546..5692, 5546..5692, 7024..7110, 7024..7107, 7029..7112, 7071..7112		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87854	Strand	-
Start	4127	End	7856
Name	OJ000303_13.0407.C6.o4.gs	Method	GENSCAN
Start	4127	End	7103
GI	none	Score	.87
Exons	4127..4627, 4889..5002, 5214..5384, 5546..5689, 7029..7103		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87854	Strand	-
Start	4127	End	7856
Name	OJ000303_13.0407.C6.o2.np	Method	AAT/NAP
Start	4361	End	7103
GI	2342719	Score	431
Exons	4361..4582, 4889..5002, 5214..5441, 5546..5644, 7029..7103		
GI Descrip.	(AC002341) putative SF16 protein {Helianthus annuus} [Arabidopsis thaliana]		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87854	Strand	-
Start	4127	End	7856
Name	OJ000303_13.0407.C6.o1.ts	Method	TBLASTX:Soybean
Start	5202	End	7104
GI	none	Score	82
Exons	5202..5444, 5546..5638, 7030..7104		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87854	Strand	-
Start	4127	End	7856
Name	OJ000303_13.0407.C6.o1.tw	Method	TBLASTX:Wheat
Start	5269	End	7106
GI	none	Score	99
Exons	5269..5397, 5271..5444, 5286..5441, 5540..5671, 5549..5653, 7027..7104, 7027..7104, 7029..7106, 7071..7106		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87855	Strand	
Start	22053	End	26709
Name	OJ000303_13.0407.C6.o2.tc	Method	TBLASTX:Cress
Start	22053	End	26709
GI	none	Score	99
Exons	22053..22283, 22413..22613, 22418..22675, 23130..23261, 23150..23260, 23316..23393, 23318..23350, 24709..24810, 24711..24863, 24829..25005, 24843..24989, 25096..25143, 26482..26595, 26644..26709		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87855	Strand	
Start	22053	End	26709
Name	OJ000303_13.0407.C6.o2.ts	Method	TBLASTX:Soybean
Start	22053	End	22556
GI	none	Score	124
Exons	22053..22289, 22314..22556		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87855	Strand	
Start	22053	End	26709
Name	OJ000303_13.0407.C6.o3.tm	Method	TBLASTX:Maize
Start	24697	End	25143
GI	none	Score	88
Exons	24697..24810, 24756..24824, 24835..25005, 24837..24989, 25096..25143		

Seq. No.	42243	Seq. ID	OJ000303_13.0407.C6
Gene No.	87856	Strand	
Start	27361	End	27738
Name	OJ000303_13.0407.C6.o2.tm	Method	TBLASTX:Maize
Start	27361	End	27738
GI	none	Score	150
Exons	27361..27498, 27361..27495, 27362..27499, 27366..27503, 27483..27599, 27493..27585, 27588..27707, 27588..27737, 27589..27738		

Seq. No.	42244	Seq. ID	OJ000303_13.0407.C9
Gene No.	87857	Strand	-
Start	152	End	1724
Name	OJ000303_13.0407.C9.o1.gs	Method	GENSCAN
Start	152	End	1724
GI	none	Score	.43
Exons	152..717, 735..1724		

Seq. No.	42245	Seq. ID	OJ000303_13.0407.C15
Gene No.	87858	Strand	-
Start	1	End	821
Name	OJ000303_13.0407.C15.o1.np	Method	AAT/NAP
Start	1	End	821
GI	6063557	Score	86
Exons	1..151, 767..821		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87859	Strand	+
Start	114	End	211
Name	OJ000303_13.0407.C26.o1.gp	Method	AAT/GAP
Start	114	End	211
GI	LIB3477-003-P1-K1-E9	Score	142
Exons	114..211		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26

Gene No.	87860	Strand	+
Start	2487	End	3738
Name	OJ000303_13.0407.C26.o1.np	Method	AAT/NAP
Start	2487	End	3735
GI	7297325	Score	111
Exons	2487..2530, 3640..3735		
GI Descrip.	(AE003619) CG7224 gene product [Drosophila melanogaster]		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87860	Strand	+
Start	2487	End	3738
Name	OJ000303_13.0407.C26.o1.gs	Method	GENSCAN
Start	3370	End	3738
GI	none	Score	.53
Exons	3370..3738		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87861	Strand	+
Start	6601	End	22143
Name	OJ000303_13.0407.C26.o3.gs	Method	GENSCAN
Start	6601	End	20716
GI	none	Score	.94
Exons	6601..6685, 7508..7716, 7809..7920, 8149..8249, 9402..9450, 9652..9774, 10675..10824, 11627..11721, 11892..12059, 12162..12272, 12352..12439, 12993..13059, 13289..13364, 13477..13594, 13706..13951, 14014..14189, 14774..14956, 15049..15168, 15730..15818, 17036..17134, 17406..17828, 19186..19311, 20032..20716		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87861	Strand	+
Start	6601	End	22143
Name	OJ000303_13.0407.C26.o2.np	Method	AAT/NAP
Start	7556	End	15217
GI	7437845	Score	1761
Exons	7556..7716, 7854..7920, 8160..8249, 9227..9283, 9402..9450, 9652..9728, 11494..11533, 11627..11721, 11892..12071, 12174..12272, 12352..12439, 12993..13059, 13289..13364, 13477..13594, 13706..13951, 14050..14189, 14774..14956, 15049..15217		
GI Descrip.	probable long-chain-fatty-acid--CoA ligase (EC 6.2.1.3) isoform 2 - rape gi|1617270|emb|CAA64327.1| (X94624) acyl-CoA synthetase [Brassica napus]		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87861	Strand	+
Start	6601	End	22143
Name	OJ000303_13.0407.C26.o3.np	Method	AAT/NAP
Start	16266	End	22143
GI	7486745	Score	237
Exons	16266..16293, 19175..19311, 20032..20368, 22018..22143		
GI Descrip.	hypothetical protein F9D16.280 - Arabidopsis thaliana gi|4454050|emb|CAA23047.1| (AL035394) putative protein [Arabidopsis thaliana] gi|7269230|emb|CAB81299.1| (AL161560) putative protein [Arabidopsis thaliana]		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26

Gene No.	87861	Strand	+
Start	6601	End	22143
Name	OJ000303_13.0407.C26.o3.gp	Method	AAT/GAP
Start	18286	End	18370
GI	69953_1.R1084	Score	115
Exons	18286..18370		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87862	Strand	+
Start	22912	End	23094
Name	OJ000303_13.0407.C26.o4.gs	Method	GENSCAN
Start	22912	End	23094
GI	none	Score	.95
Exons	22912..23094		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87863	Strand	-
Start	4282	End	5813
Name	OJ000303_13.0407.C26.o2.gs	Method	GENSCAN
Start	4282	End	5813
GI	none	Score	.5
Exons	4282..4428, 5415..5813		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87864	Strand	-
Start	15430	End	15570
Name	OJ000303_13.0407.C26.o2.gp	Method	AAT/GAP
Start	15430	End	15570
GI	none	Score	239
Exons	15430..15570		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87865	Strand	-
Start	18440	End	18519
Name	OJ000303_13.0407.C26.o1.ts	Method	TBLASTX:Soybean
Start	7604	End	15168
GI	none	Score	47
Exons	7604..7663, 7667..7717, 7857..7910, 7858..7911, 8145..8240, 9224..9325, 9399..9452, 9647..9730, 9648..9737, 11491..11535, 11629..11715, 11892..12065, 11912..12004, 12158..12274, 12159..12272, 12176..12274, 12351..12440, 12352..12450, 12352..12450, 12356..12454, 12983..13054, 13272..13385, 13293..13370, 13476..13595, 13477..13599, 13504..13596, 13704..13952, 13705..13953, 13708..13956, 14040..14192, 14045..14167, 14759..14962, 14773..14961, 15046..15168, 15046..15168		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87865	Strand	-
Start	18440	End	18519
Name	OJ000303_13.0407.C26.o1.tm	Method	TBLASTX:Maize
Start	12171	End	15168
GI	none	Score	121
Exons	12171..12272, 12171..12272, 12351..12443, 12352..12441, 13275..13385, 13284..13370, 13477..13599, 13479..13595,		

13704..13952, 13705..13953, 14040..14165, 14045..14164,
14747..14950, 14782..14946, 15049..15168

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87865	Strand	-
Start	18440	End	18519
Name	OJ000303_13.0407.C26.o1.tw	Method	TBLASTX:Wheat
Start	13287	End	13917
GI	none	Score	68
Exons	13287..13385, 13440..13598, 13470..13595, 13477..13599, 13704..13916, 13705..13917		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87865	Strand	-
Start	18440	End	18519
Name	OJ000303_13.0407.C26.o2.tc	Method	TBLASTX:Cress
Start	13477	End	13917
GI	none	Score	144
Exons	13477..13599, 13482..13595, 13704..13916, 13705..13917		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87865	Strand	-
Start	18440	End	18519
Name	OJ000303_13.0407.C26.o2.tw	Method	TBLASTX:Wheat
Start	13918	End	14921
GI	none	Score	64
Exons	13918..13953, 13918..13950, 13920..13952, 14016..14192, 14038..14166, 14045..14170, 14055..14189, 14752..14919, 14752..14919, 14753..14920, 14766..14921		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87865	Strand	-
Start	18440	End	18519
Name	OJ000303_13.0407.C26.o1.tc	Method	TBLASTX:Cress
Start	14087	End	15168
GI	none	Score	153
Exons	14087..14170, 14088..14192, 14774..14962, 14776..14961, 15046..15168, 15046..15168		

Seq. No.	42246	Seq. ID	OJ000303_13.0407.C26
Gene No.	87865	Strand	-
Start	18440	End	18519
Name	OJ000303_13.0407.C26.o4.gp	Method	AAT/GAP
Start	18440	End	18519
GI	69953_1.R1084	Score	106
Exons	18440..18519		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	42247	Seq. ID	OJ000303_13.0407.C27
Gene No.	87866	Strand	+
Start	147	End	716
Name	OJ000303_13.0407.C27.o1.gs	Method	GENSCAN
Start	147	End	713
GI	none	Score	.92
Exons	147..195, 381..558, 642..713		

Seq. No.	42247	Seq. ID	OJ000303_13.0407.C27
Gene No.	87866	Strand	+
Start	147	End	716
Name	OJ000303_13.0407.C27.o1.tm	Method	TBLASTX:Maize
Start	353	End	716
GI	none	Score	78
Exons	353..469, 380..466, 452..562, 629..709, 634..711, 642..713,	476..556, 483..578, 486..560, 642..716	

Seq. No.	42248	Seq. ID	OJ000223_11.0405.C2
Gene No.	87867	Strand	+
Start	3063	End	11263
Name	OJ000223_11.0405.C2.o1.gs	Method	GENSCAN
Start	3063	End	11263
GI	none	Score	.7
Exons	3063..3205, 4319..4430, 7331..7477, 9425..9602, 10879..10911, 11109..11263		

Seq. No.	42248	Seq. ID	OJ000223_11.0405.C2
Gene No.	87868	Strand	-
Start	7782	End	8509
Name	OJ000223_11.0405.C2.o1.np	Method	AAT/NAP
Start	7782	End	8509
GI	6815052	Score	373
Exons	7782..7900, 8182..8257, 8339..8509		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	42249	Seq. ID	OJ000223_11.0405.C5
Gene No.	87869	Strand	-
Start	163	End	496
Name	OJ000223_11.0405.C5.o1.gs	Method	GENSCAN
Start	163	End	490
GI	none	Score	.46
Exons	163..234, 326..490		

Seq. No.	42249	Seq. ID	OJ000223_11.0405.C5
Gene No.	87869	Strand	-
Start	163	End	496
Name	OJ000223_11.0405.C5.o1.tm	Method	TBLASTX:Maize
Start	163	End	496
GI	none	Score	95
Exons	163..234, 163..234, 164..235, 332..472, 333..476	304..462, 325..495, 326..496,	

Seq. No.	42249	Seq. ID	OJ000223_11.0405.C5
Gene No.	87869	Strand	-
Start	163	End	496
Name	OJ000223_11.0405.C5.o1.ts	Method	TBLASTX:Soybean
Start	163	End	490
GI	none	Score	72
Exons	163..234, 164..235, 338..490		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87870	Strand	+
Start	514	End	1753
Name	OJ000223_11.0405.C6.o1.gs	Method	GENSCAN
Start	514	End	1753

GI	none	Score	.76
Exons	514..546, 1739..1753		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87871	Strand	+
Start	8530	End	11690
Name	OJ000223_11.0405.C6.o3.gs	Method	GENSCAN
Start	8530	End	11690
GI	none	Score	.68
Exons	8530..8580, 8804..10144, 10223..10657, 10733..10792, 10890..10973, 11055..11210, 11331..11690		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87872	Strand	+
Start	19931	End	21554
Name	OJ000223_11.0405.C6.o4.np	Method	AAT/NAP
Start	19931	End	20825
GI	5852178	Score	523
Exons	19931..20229, 20261..20365, 20730..20825		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87872	Strand	+
Start	19931	End	21554
Name	OJ000223_11.0405.C6.o5.np	Method	AAT/NAP
Start	20001	End	21554
GI	6063554	Score	177
Exons	20001..20217, 20680..20708, 21378..21554		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87873	Strand	+
Start	24818	End	25128
Name	OJ000223_11.0405.C6.o1.gp	Method	AAT/GAP
Start	24818	End	25128
GI	61605_3.R1084	Score	424
Exons	24818..25128		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87874	Strand	+
Start	25706	End	26847
Name	OJ000223_11.0405.C6.o5.gs	Method	GENSCAN
Start	25706	End	26847
GI	none	Score	.95
Exons	25706..25784, 26465..26847		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87875	Strand	+
Start	34795	End	39207
Name	OJ000223_11.0405.C6.o7.np	Method	AAT/NAP
Start	34795	End	39207
GI	6983860	Score	4427
Exons	34795..35897, 36142..36339, 37614..39207		

GI Descrip. (AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87876	Strand	+
Start	39497	End	42479
Name	OJ000223_11.0405.C6.o10.np	Method	AAT/NAP
Start	39497	End	40785
GI	5852178	Score	361
Exons	39497..39565, 39964..40183, 40215..40327, 40690..40785		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87876	Strand	+
Start	39497	End	42479
Name	OJ000223_11.0405.C6.o11.np	Method	AAT/NAP
Start	40530	End	42479
GI	4680186	Score	239
Exons	40530..40574, 42274..42479		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87877	Strand	-
Start	3825	End	4412
Name	OJ000223_11.0405.C6.o2.gs	Method	GENSCAN
Start	3825	End	4412
GI	none	Score	.98
Exons	3825..4412		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87878	Strand	-
Start	13862	End	16086
Name	OJ000223_11.0405.C6.o1.np	Method	AAT/NAP
Start	13862	End	16086
GI	7248394	Score	1729
Exons	13862..14896, 15164..16086		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87879	Strand	-
Start	16498	End	19257
Name	OJ000223_11.0405.C6.o2.np	Method	AAT/NAP
Start	16498	End	19257
GI	7543898	Score	53
Exons	16498..16636, 17314..17464, 19236..19257		
GI Descrip.	(AL138645) putative protein [Arabidopsis thaliana]		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87879	Strand	-
Start	16498	End	19257
Name	OJ000223_11.0405.C6.o3.np	Method	AAT/NAP
Start	18417	End	19151
GI	7248393	Score	394

Exons	18417..18704, 18783..19151		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87880	Strand	-
Start	22627	End	31508
Name	OJ000223_11.0405.C6.o6.np	Method	AAT/NAP
Start	22627	End	31508
GI	6539553	Score	3157
Exons	22627..23612, 24499..24793, 24960..25461, 26503..27367, 27784..28656, 30017..30348, 31462..31508		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o6.ts	Method	TBLASTX:Soybean
Start	12162	End	12407
GI	none	Score	113
Exons	12162..12407, 12268..12405		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o1.tw	Method	TBLASTX:Wheat
Start	12498	End	38829
GI	none	Score	693
Exons	12498..12872, 38203..38829, 38205..38708, 38760..38828		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o4.ts	Method	TBLASTX:Soybean
Start	12840	End	38406
GI	none	Score	87
Exons	12840..13148, 12928..13044, 38248..38406		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o12.tw	Method	TBLASTX:Wheat
Start	12918	End	13310
GI	none	Score	108
Exons	12918..12974, 13005..13112, 13146..13310		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o9.tm	Method	TBLASTX:Maize
Start	13005	End	13361
GI	none	Score	212
Exons	13005..13361		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6

Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o11.tw	Method	TBLASTX:Wheat
Start	13476	End	13838
GI	none	Score	61
Exons	13476..13838, 13591..13728, 13762..13827		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o2.ts	Method	TBLASTX:Soybean
Start	13600	End	14012
GI	none	Score	130
Exons	13600..13854, 13602..13853, 13875..13931, 13875..14012, 13879..14010		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o3.tw	Method	TBLASTX:Wheat
Start	13935	End	37630
GI	none	Score	107
Exons	13935..14063, 37206..37316, 37208..37315, 37315..37623, 37316..37630, 37322..37630		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o3.tm	Method	TBLASTX:Maize
Start	13938	End	37630
GI	none	Score	418
Exons	13938..14171, 37309..37623, 37310..37630		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o6.tw	Method	TBLASTX:Wheat
Start	14217	End	37205
GI	none	Score	63
Exons	14217..14351, 14352..14600, 36917..37009, 36922..37197, 36941..37204, 36942..37205, 36945..37205		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o2.tm	Method	TBLASTX:Maize
Start	14319	End	37172
GI	none	Score	53
Exons	14319..14399, 14320..14400, 14388..14759, 14397..14759, 36747..36878, 36747..36911, 36959..37033, 36960..37172		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o1.ts	Method	TBLASTX:Soybean
Start	14403	End	37190
GI	none	Score	57

Exons	14403..14663, 36795..36827, 36795..36827, 36831..36884, 36833..36874, 36939..37190, 36947..37084		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o4.tw	Method	TBLASTX:Wheat
Start	14652	End	36854
GI	none	Score	529
Exons	14652..14765, 14781..15008, 36371..36673, 36372..36854, 36483..36851		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o7.ts	Method	TBLASTX:Soybean
Start	14829	End	36683
GI	none	Score	103
Exons	14829..14963, 14970..15194, 36549..36683		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o6.tm	Method	TBLASTX:Maize
Start	14844	End	36673
GI	none	Score	328
Exons	14844..15002, 36381..36671, 36431..36673		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o9.ts	Method	TBLASTX:Soybean
Start	15604	End	15942
GI	none	Score	197
Exons	15604..15942		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o5.tw	Method	TBLASTX:Wheat
Start	22763	End	23245
GI	none	Score	348
Exons	22763..23149, 22801..23148, 23164..23238, 23168..23245		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o8.ts	Method	TBLASTX:Soybean
Start	22876	End	23241
GI	none	Score	93
Exons	22876..23127, 23119..23241		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o8.tm	Method	TBLASTX:Maize
Start	23111	End	23419

GI	none	Score	172
Exons	23111..23419, 23113..23328		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o5.ts	Method	TBLASTX:Soybean
Start	23245	End	23596
GI	none	Score	84
Exons	23245..23589, 23390..23596		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o10.ts	Method	TBLASTX:Soybean
Start	24500	End	24721
GI	none	Score	107
Exons	24500..24721, 24555..24719		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o5.tm	Method	TBLASTX:Maize
Start	27787	End	28108
GI	none	Score	334
Exons	27787..28101, 27791..28078, 27854..28108		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o7.tm	Method	TBLASTX:Maize
Start	30003	End	30277
GI	none	Score	114
Exons	30003..30254, 30019..30222, 30023..30277, 30024..30269		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o10.tw	Method	TBLASTX:Wheat
Start	30026	End	30286
GI	none	Score	177
Exons	30026..30286, 30027..30278		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o8.tw	Method	TBLASTX:Wheat
Start	34972	End	35331
GI	none	Score	281
Exons	34972..35331, 34998..35075, 35005..35328, 35175..35330		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o9.tw	Method	TBLASTX:Wheat
Start	35897	End	36239
GI	none	Score	146

Exons	35897..36058, 36057..36239		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o2.tw	Method	TBLASTX:Wheat
Start	37670	End	38196
GI	none	Score	177
Exons	37670..37891, 37888..38196, 37914..38192		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o1.tc	Method	TBLASTX:Cress
Start	37882	End	38220
GI	none	Score	96
Exons	37882..38076, 38077..38220, 38079..38219		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o3.ts	Method	TBLASTX:Soybean
Start	37984	End	38244
GI	none	Score	290
Exons	37984..38244, 37987..38235, 37989..38243		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o4.tm	Method	TBLASTX:Maize
Start	38043	End	38333
GI	none	Score	395
Exons	38043..38243, 38044..38331, 38262..38333		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o1.tm	Method	TBLASTX:Maize
Start	38382	End	38967
GI	none	Score	100
Exons	38382..38528, 38382..38537, 38383..38544, 38541..38672, 38542..38967, 38698..38946, 38760..38966		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o7.gs	Method	GENSCAN
Start	38546	End	44450
GI	none	Score	.51
Exons	38546..38649, 38970..39125, 39619..39896, 39924..40274, 40297..40462, 42892..42973, 43402..43507, 43513..43984, 44184..44286, 44292..44450		
Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o9.np	Method	AAT/NAP

Start	38601	End	41256
GI	5852179	Score	302
Exons	38601..38660, 39924..40136, 40211..40418, 41236..41256		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o7.tw	Method	TBLASTX:Wheat
Start	38829	End	39162
GI	none	Score	338
Exons	38829..39110, 38830..39162, 38980..39141		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o3.gp	Method	AAT/GAP
Start	42027	End	42407
GI	uC-osflcyp033a04b1	Score	662
Exons	42027..42407		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	42250	Seq. ID	OJ000223_11.0405.C6
Gene No.	87881	Strand	-
Start	38546	End	44605
Name	OJ000223_11.0405.C6.o12.np	Method	AAT/NAP
Start	42872	End	44605
GI	6907087	Score	964
Exons	42872..42973, 43513..44189, 44236..44605		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42251	Seq. ID	OJ000223_11.0405.C7
Gene No.	87882	Strand	+
Start	4721	End	7751
Name	OJ000223_11.0405.C7.o2.gs	Method	GENSCAN
Start	4721	End	7751
GI	none	Score	.56
Exons	4721..4809, 5290..5461, 5595..5724, 6001..6043, 6398..6573, 7744..7751		

Seq. No.	42251	Seq. ID	OJ000223_11.0405.C7
Gene No.	87883	Strand	+
Start	10834	End	15746
Name	OJ000223_11.0405.C7.o4.gs	Method	GENSCAN
Start	10834	End	12393
GI	none	Score	.66
Exons	10834..10984, 11637..11705, 12181..12299, 12313..12393		

Seq. No.	42251	Seq. ID	OJ000223_11.0405.C7
Gene No.	87883	Strand	+
Start	10834	End	15746
Name	OJ000223_11.0405.C7.o2.np	Method	AAT/NAP
Start	12232	End	15746
GI	7363272	Score	257

Exons	12232..12300, 13031..13633, 13791..13848, 15726..15746		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		
Seq. No.	42251	Seq. ID	OJ000223_11.0405.C7
Gene No.	87884	Strand	-
Start	1204	End	3947
Name	OJ000223_11.0405.C7.o1.np	Method	AAT/NAP
Start	1204	End	3947
GI	4388821	Score	361
Exons	1204..1260, 1378..2008, 2098..2221, 2307..2527, 3894..3947		
GI Descrip.	(AC006528) Mutator-like transposase [Arabidopsis thaliana]		
Seq. No.	42251	Seq. ID	OJ000223_11.0405.C7
Gene No.	87885	Strand	-
Start	9282	End	9911
Name	OJ000223_11.0405.C7.o3.gs	Method	GENSCAN
Start	9282	End	9911
GI	none	Score	.82
Exons	9282..9596, 9602..9796, 9891..9911		
Seq. No.	42251	Seq. ID	OJ000223_11.0405.C7
Gene No.	87886	Strand	-
Start	13162	End	17206
Name	OJ000223_11.0405.C7.o5.gs	Method	GENSCAN
Start	13162	End	17206
GI	none	Score	.68
Exons	13162..13301, 13350..13445, 14782..14943, 14979..14979, 15118..15211, 15331..15644, 15785..16175, 16628..16768, 17181..17206		
Seq. No.	42251	Seq. ID	OJ000223_11.0405.C7
Gene No.	87887	Strand	-
Start	19525	End	28312
Name	OJ000223_11.0405.C7.o6.gs	Method	GENSCAN
Start	19525	End	28312
GI	none	Score	.66
Exons	19525..19728, 19809..20224, 20320..20531, 20891..20996, 21045..21368, 21454..21704, 23810..23936, 28177..28312		
Seq. No.	42251	Seq. ID	OJ000223_11.0405.C7
Gene No.	87888	Strand	-
Start	29234	End	33417
Name	OJ000223_11.0405.C7.o2.tm	Method	TBLASTX:Maize
Start	1772	End	1947
GI	none	Score	73
Exons	1772..1885, 1776..1886, 1887..1946, 1888..1947		
Seq. No.	42251	Seq. ID	OJ000223_11.0405.C7
Gene No.	87888	Strand	-
Start	29234	End	33417
Name	OJ000223_11.0405.C7.o7.gs	Method	GENSCAN
Start	29234	End	33417
GI	none	Score	.69
Exons	29234..29239, 29522..29890, 31033..31217, 32245..32598, 33322..33417		
Seq. No.	42251	Seq. ID	OJ000223_11.0405.C7

Gene No.	87888	Strand	-
Start	29234	End	33417
Name	OJ000223_11.0405.C7.o1.tm	Method	TBLASTX:Maize
Start	30698	End	33413
GI	none	Score	82
Exons	30698..30808, 30701..30808, 30876..30953, 30876..31037, 30878..31048, 30883..31062, 30925..31065, 31049..31120, 31120..31197, 31120..31218, 31121..31219, 31121..31222, 32243..32311, 32244..32288, 32309..32386, 32310..32387, 32363..32545, 32364..32513, 32365..32526, 32561..32599, 33308..33409, 33320..33409, 33321..33410, 33321..33413		

Seq. No.	42252	Seq. ID	OJ000223_11.0405.C13
Gene No.	87889	Strand	+
Start	1	End	1367
Name	OJ000223_11.0405.C13.o1.np	Method	AAT/NAP
Start	1	End	1367
GI	7446252	Score	668
Exons	1..21, 359..479, 946..1133, 1220..1367		
GI Descrip.	hypothetical protein OSH45 - rice gi|1805618|dbj|BAA08553.1| (D49704) OSH45 transcript [Oryza sativa]		

Seq. No.	42252	Seq. ID	OJ000223_11.0405.C13
Gene No.	87889	Strand	+
Start	1	End	1367
Name	OJ000223_11.0405.C13.o1.tc	Method	TBLASTX:Cress
Start	358	End	1360
GI	none	Score	182
Exons	358..480, 359..463, 390..479, 391..480, 924..1043, 1065..1133, 1203..1340, 1216..1344, 1217..1360, 1218..1340, 1273..1353		

Seq. No.	42252	Seq. ID	OJ000223_11.0405.C13
Gene No.	87889	Strand	+
Start	1	End	1367
Name	OJ000223_11.0405.C13.o1.ts	Method	TBLASTX:Soybean
Start	358	End	1360
GI	none	Score	178
Exons	358..480, 359..463, 362..481, 385..480, 924..1064, 940..1005, 942..1043, 1039..1134, 1065..1133, 1217..1360, 1217..1258, 1218..1322, 1273..1353		

Seq. No.	42252	Seq. ID	OJ000223_11.0405.C13
Gene No.	87889	Strand	+
Start	1	End	1367
Name	OJ000223_11.0405.C13.o2.tw	Method	TBLASTX:Wheat
Start	358	End	1028
GI	none	Score	177
Exons	358..480, 359..460, 362..484, 363..479, 924..1028		

Seq. No.	42252	Seq. ID	OJ000223_11.0405.C13
Gene No.	87889	Strand	+
Start	1	End	1367
Name	OJ000223_11.0405.C13.o1.tm	Method	TBLASTX:Maize
Start	358	End	1360
GI	none	Score	96
Exons	358..411, 359..412, 411..461, 413..460, 413..484, 924..1028, 942..1028, 1038..1064, 1071..1133, 1217..1360, 1273..1353		

Seq. No.	42252	Seq. ID	OJ000223_11.0405.C13
Gene No.	87889	Strand	+
Start	1	End	1367
Name	OJ000223_11.0405.C13.o1.gs	Method	GENSCAN
Start	359	End	1351
GI	none	Score	.97
Exons	359..479, 946..1133, 1220..1351		

Seq. No.	42252	Seq. ID	OJ000223_11.0405.C13
Gene No.	87889	Strand	+
Start	1	End	1367
Name	OJ000223_11.0405.C13.o1.tw	Method	TBLASTX:Wheat
Start	1038	End	1360
GI	none	Score	126
Exons	1038..1133, 1217..1360, 1273..1353		

Seq. No.	42253	Seq. ID	OJ000223_11.0405.C14
Gene No.	87890	Strand	+
Start	1	End	1012
Name	OJ000223_11.0405.C14.o1.np	Method	AAT/NAP
Start	1	End	670
GI	7446253	Score	226
Exons	1..29, 359..495, 646..670		
GI Descrip.	probable homeobox protein - rice gi|1805617|dbj|BAA08552.1| (D49704) OSH44 transcript; homeobox gene [Oryza sativa]		

Seq. No.	42253	Seq. ID	OJ000223_11.0405.C14
Gene No.	87890	Strand	+
Start	1	End	1012
Name	OJ000223_11.0405.C14.o1.gp	Method	AAT/GAP
Start	335	End	1012
GI	2872_1.R1084	Score	1045
Exons	335..495, 589..1012		
GI Descrip.	'1805617/dbj|BAA08552| 4.0e-17 (D49704) OSH44 transcript; homeobox gene [Oryza sativa]'		

Seq. No.	42253	Seq. ID	OJ000223_11.0405.C14
Gene No.	87891	Strand	+
Start	2347	End	3116
Name	OJ000223_11.0405.C14.o2.np	Method	AAT/NAP
Start	2347	End	3116
GI	4680183	Score	170
Exons	2347..2417, 3027..3116		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42253	Seq. ID	OJ000223_11.0405.C14
Gene No.	87892	Strand	-
Start	915	End	8081
Name	OJ000223_11.0405.C14.o1.tc	Method	TBLASTX:Cress
Start	358	End	617
GI	none	Score	187
Exons	358..495, 359..460, 361..495, 573..617		

Seq. No.	42253	Seq. ID	OJ000223_11.0405.C14
Gene No.	87892	Strand	-
Start	915	End	8081

Name	OJ000223_11.0405.C14.o1.ts	Method	TBLASTX:Soybean
Start	358	End	495
GI	none	Score	187
Exons	358..495, 359..460		

Seq. No.	42253	Seq. ID	OJ000223_11.0405.C14
Gene No.	87892	Strand	-
Start	915	End	8081
Name	OJ000223_11.0405.C14.o1.tw	Method	TBLASTX:Wheat
Start	358	End	498
GI	none	Score	187
Exons	358..498, 359..460, 361..495		

Seq. No.	42253	Seq. ID	OJ000223_11.0405.C14
Gene No.	87892	Strand	-
Start	915	End	8081
Name	OJ000223_11.0405.C14.o1.tm	Method	TBLASTX:Maize
Start	358	End	498
GI	none	Score	184
Exons	358..498, 359..460, 364..468		

Seq. No.	42253	Seq. ID	OJ000223_11.0405.C14
Gene No.	87892	Strand	-
Start	915	End	8081
Name	OJ000223_11.0405.C14.o3.np	Method	AAT/NAP
Start	915	End	8081
GI	1150834	Score	77
Exons	915..962, 4451..4516, 4792..4966, 7017..7135, 7989..8081		
GI Descrip.	(U42471) Wiscott-Aldrich Syndrome protein homolog [Mus musculus]		

Seq. No.	42253	Seq. ID	OJ000223_11.0405.C14
Gene No.	87892	Strand	-
Start	915	End	8081
Name	OJ000223_11.0405.C14.o2.gs	Method	GENSCAN
Start	4000	End	7162
GI	none	Score	.67
Exons	4000..4145, 4194..4259, 4352..4542, 6247..6375, 7116..7162		

Seq. No.	42254	Seq. ID	OJ000223_11.0405.C15
Gene No.	87893	Strand	+
Start	1255	End	1548
Name	OJ000223_11.0405.C15.o1.gp	Method	AAT/GAP
Start	1255	End	1548
GI	3763666	Score	544
Exons	1255..1548		

Seq. No.	42254	Seq. ID	OJ000223_11.0405.C15
Gene No.	87894	Strand	-
Start	64	End	372
Name	OJ000223_11.0405.C15.o1.gs	Method	GENSCAN
Start	64	End	372
GI	none	Score	.41
Exons	64..372		

Seq. No.	42254	Seq. ID	OJ000223_11.0405.C15
Gene No.	87895	Strand	-
Start	1532	End	3193

Name	OJ000223_11.0405.C15.o2.gs	Method	GENSCAN
Start	1532	End	3193
GI	none	Score	.9
Exons	1532..1978, 3110..3193		

Seq. No.	42255	Seq. ID	OJ000223_11.0405.C16
Gene No.	87896	Strand	+
Start	410	End	3795
Name	OJ000223_11.0405.C16.o1.gs	Method	GENSCAN
Start	410	End	3795
GI	none	Score	.66
Exons	410..733, 2224..2408, 2827..3278, 3326..3795		

Seq. No.	42255	Seq. ID	OJ000223_11.0405.C16
Gene No.	87897	Strand	+
Start	6069	End	6669
Name	OJ000223_11.0405.C16.o2.gs	Method	GENSCAN
Start	6069	End	6669
GI	none	Score	.41
Exons	6069..6201, 6653..6669		

Seq. No.	42255	Seq. ID	OJ000223_11.0405.C16
Gene No.	87898	Strand	-
Start	7852	End	10053
Name	OJ000223_11.0405.C16.o4.tm	Method	TBLASTX:Maize
Start	266	End	592
GI	none	Score	216
Exons	266..592		

Seq. No.	42255	Seq. ID	OJ000223_11.0405.C16
Gene No.	87898	Strand	-
Start	7852	End	10053
Name	OJ000223_11.0405.C16.o2.tm	Method	TBLASTX:Maize
Start	3495	End	3881
GI	none	Score	170
Exons	3495..3545, 3502..3705, 3526..3705, 3537..3713, 3557..3712, 3707..3853, 3715..3852, 3721..3855, 3798..3881		

Seq. No.	42255	Seq. ID	OJ000223_11.0405.C16
Gene No.	87898	Strand	-
Start	7852	End	10053
Name	OJ000223_11.0405.C16.o3.gs	Method	GENSCAN
Start	7852	End	10053
GI	none	Score	.99
Exons	7852..10053		

Seq. No.	42255	Seq. ID	OJ000223_11.0405.C16
Gene No.	87898	Strand	-
Start	7852	End	10053
Name	OJ000223_11.0405.C16.o1.tm	Method	TBLASTX:Maize
Start	8521	End	8887
GI	none	Score	111
Exons	8521..8841, 8531..8689, 8741..8887		

Seq. No.	42255	Seq. ID	OJ000223_11.0405.C16
Gene No.	87898	Strand	-
Start	7852	End	10053

Name	OJ000223_11.0405.C16.o3.tm	Method	TBLASTX:Maize
Start	9001	End	9450
GI	none	Score	110
Exons	9001..9414, 9077..9403, 9412..9450		

Seq. No.	42256	Seq. ID	OJ000223_11.0405.C19
Gene No.	87899	Strand	+
Start	496	End	8275
Name	OJ000223_11.0405.C19.o1.gp	Method	AAT/GAP
Start	496	End	1528
GI	uC-osf1M202123c07b1	Score	951
Exons	496..848, 1389..1528		
GI Descrip.	'3617770/emb|CAA74705| 2.0e-20 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	42256	Seq. ID	OJ000223_11.0405.C19
Gene No.	87899	Strand	+
Start	496	End	8275
Name	OJ000223_11.0405.C19.o1.np	Method	AAT/NAP
Start	619	End	8275
GI	3617770	Score	1858
Exons	619..848, 1389..1626, 1792..1851, 1943..2032, 2243..2317, 2643..2771, 2854..2943, 3443..3531, 3625..3721, 3836..3922, 4026..4110, 5515..5609, 5710..5742, 6068..6154, 7099..7191, 7759..7851, 7930..8275		
GI Descrip.	(Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	42256	Seq. ID	OJ000223_11.0405.C19
Gene No.	87899	Strand	+
Start	496	End	8275
Name	OJ000223_11.0405.C19.o1.gs	Method	GENSCAN
Start	646	End	8151
GI	none	Score	.82
Exons	646..848, 1389..1626, 1943..2032, 2643..2771, 2854..2943, 3836..3922, 4026..4110, 4690..4905, 5515..5609, 5710..5742, 6068..6154, 7099..7191, 7759..7851, 7930..8151		

Seq. No.	42256	Seq. ID	OJ000223_11.0405.C19
Gene No.	87899	Strand	+
Start	496	End	8275
Name	OJ000223_11.0405.C19.o1.tc	Method	TBLASTX:Cress
Start	730	End	8157
GI	none	Score	77
Exons	730..849, 1336..1359, 1362..1622, 1387..1626, 1399..1635, 1789..1851, 1794..1850, 1940..2056, 1942..2025, 2240..2329, 2242..2316, 2614..2748, 2636..2770, 2637..2771, 2853..2927, 2854..2943, 3431..3529, 3443..3529, 3622..3723, 3623..3724, 3827..3925, 3833..3922, 4025..4108, 4026..4109, 5513..5629, 5514..5630, 5710..5745, 6065..6154, 7098..7187, 7099..7185, 7759..7854, 7764..7853, 7924..8157, 7924..8121, 8025..8153		

Seq. No.	42256	Seq. ID	OJ000223_11.0405.C19
Gene No.	87899	Strand	+
Start	496	End	8275
Name	OJ000223_11.0405.C19.o2.tm	Method	TBLASTX:Maize
Start	732	End	3903
GI	none	Score	103

Exons	732..848, 738..848, 742..849, 1386..1625, 1386..1532, 1387..1626, 1390..1638, 1789..1851, 1791..1850, 1796..1852, 1940..2056, 1941..2051, 2236..2316, 2237..2329, 2243..2326, 2637..2759, 2642..2746, 2748..2771, 2849..2947, 2850..2948, 2854..2940, 2866..2949, 3435..3530, 3443..3526, 3616..3723, 3623..3724, 3821..3901, 3827..3901, 3834..3902, 3835..3903, 3835..3903		

Seq. No.	42256	Seq. ID	OJ000223_11.0405.C19
Gene No.	87899	Strand	+
Start	496	End	8275
Name	OJ000223_11.0405.C19.o3.ts	Method	TBLASTX:Soybean
Start	742	End	1527
GI	none	Score	91
Exons	742..849, 1386..1526, 1387..1527		

Seq. No.	42256	Seq. ID	OJ000223_11.0405.C19
Gene No.	87899	Strand	+
Start	496	End	8275
Name	OJ000223_11.0405.C19.o2.ts	Method	TBLASTX:Soybean
Start	1528	End	7194
GI	none	Score	156
Exons	1528..1626, 1789..1851, 1791..1862, 1791..1856, 1946..2056, 2236..2316, 2237..2329, 2637..2771, 2637..2753, 2642..2767, 2850..2948, 2854..2943, 3443..3526, 3579..3722, 3616..3723, 3623..3724, 3827..3925, 3827..3916, 3844..3945, 4011..4109, 4019..4111, 4019..4108, 4023..4121, 5513..5611, 5514..5630, 5708..5746, 5710..5745, 6065..6154, 6067..6153, 7098..7190, 7099..7194		

Seq. No.	42256	Seq. ID	OJ000223_11.0405.C19
Gene No.	87899	Strand	+
Start	496	End	8275
Name	OJ000223_11.0405.C19.o2.gp	Method	AAT/GAP
Start	2657	End	5609
GI	17764_1.R1084	Score	1053
Exons	2657..2771, 2854..2943, 3443..3531, 3625..3721, 3836..3922, 4026..4110, 5515..5609		
GI Descrip.	'3617770/emb|CAA74705| 8.0e-87 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	42256	Seq. ID	OJ000223_11.0405.C19
Gene No.	87899	Strand	+
Start	496	End	8275
Name	OJ000223_11.0405.C19.o1.tm	Method	TBLASTX:Maize
Start	4068	End	8154
GI	none	Score	68
Exons	4068..4109, 5512..5610, 5513..5629, 5513..5611, 5514..5630, 5702..5740, 5709..5747, 5710..5745, 6065..6154, 6065..6136, 6067..6153, 7098..7187, 7098..7187, 7099..7194, 7756..7854, 7758..7853, 7924..8154, 7924..8151, 7926..8153		

Seq. No.	42256	Seq. ID	OJ000223_11.0405.C19
Gene No.	87899	Strand	+
Start	496	End	8275
Name	OJ000223_11.0405.C19.o1.ts	Method	TBLASTX:Soybean
Start	7740	End	8162

GI	none	Score	80
Exons	7740..7844, 7747..7854, 7750..7863, 7755..7886, 7924..8157, 7926..8153, 7965..8162, 7976..8161		

Seq. No.	42257	Seq. ID	OJ000223_11.0405.C20
Gene No.	87900	Strand	+
Start	807	End	1725
Name	OJ000223_11.0405.C20.o1.np	Method	AAT/NAP
Start	807	End	1541
GI	3617770	Score	132
Exons	807..914, 1164..1235, 1449..1541		
GI Descrip.	(Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	42257	Seq. ID	OJ000223_11.0405.C20
Gene No.	87900	Strand	+
Start	807	End	1725
Name	OJ000223_11.0405.C20.o1.gp	Method	AAT/GAP
Start	819	End	1725
GI	uC-osrocyp014a08a1	Score	721
Exons	819..914, 1164..1235, 1449..1725		
GI Descrip.	'3617770/emb|CAA74705| 3.0e-20 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	42257	Seq. ID	OJ000223_11.0405.C20
Gene No.	87900	Strand	+
Start	807	End	1725
Name	OJ000223_11.0405.C20.o1.gs	Method	GENSCAN
Start	843	End	1544
GI	none	Score	.93
Exons	843..914, 1164..1235, 1449..1544		

Seq. No.	42258	Seq. ID	OJ000223_11.0405.C21
Gene No.	87901	Strand	+
Start	3740	End	3901
Name	OJ000223_11.0405.C21.o1.gs	Method	GENSCAN
Start	3740	End	3901
GI	none	Score	.65
Exons	3740..3901		

Seq. No.	42258	Seq. ID	OJ000223_11.0405.C21
Gene No.	87902	Strand	+
Start	5745	End	9350
Name	OJ000223_11.0405.C21.o2.gs	Method	GENSCAN
Start	5745	End	9350
GI	none	Score	.74
Exons	5745..5762, 6080..6211, 7270..7387, 7945..8025, 8887..8957, 9210..9350		

Seq. No.	42258	Seq. ID	OJ000223_11.0405.C21
Gene No.	87902	Strand	+
Start	5745	End	9350
Name	OJ000223_11.0405.C21.o2.np	Method	AAT/NAP
Start	6104	End	8022
GI	3941736	Score	59
Exons	6104..6211, 7270..7393, 7954..8022		
GI Descrip.	(AF109719) BAT3 [Mus musculus]		

Seq. No.	42258	Seq. ID	OJ000223_11.0405.C21
Gene No.	87903	Strand	-
Start	384	End	1809
Name	OJ000223_11.0405.C21.o1.np	Method	AAT/NAP
Start	384	End	1809
GI	5852084	Score	99
Exons	384..498, 1770..1809		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	42258	Seq. ID	OJ000223_11.0405.C21
Gene No.	87904	Strand	
Start	6137	End	8027
Name	OJ000223_11.0405.C21.o2.tm	Method	TBLASTX:Maize
Start	6137	End	8027
GI	none	Score	110
Exons	6137..6214, 6137..6214, 7242..7382, 7264..7392, 7270..7392, 7946..8023, 7947..8024, 7950..8027		

Seq. No.	42258	Seq. ID	OJ000223_11.0405.C21
Gene No.	87904	Strand	
Start	6137	End	8027
Name	OJ000223_11.0405.C21.o1.tm	Method	TBLASTX:Maize
Start	6800	End	7093
GI	none	Score	159
Exons	6800..6943, 6804..7067, 6811..6945, 6938..7036, 6946..7083, 7023..7085, 7049..7093		

Seq. No.	42259	Seq. ID	OJ000223_11.0405.C24
Gene No.	87905	Strand	+
Start	110	End	837
Name	OJ000223_11.0405.C24.o1.gs	Method	GENSCAN
Start	110	End	837
GI	none	Score	.71
Exons	110..191, 731..837		

Seq. No.	42260	Seq. ID	OJ000223_11.0405.C25
Gene No.	87906	Strand	+
Start	5	End	2792
Name	OJ000223_11.0405.C25.o1.np	Method	AAT/NAP
Start	5	End	2792
GI	7413646	Score	79
Exons	5..115, 1335..1519, 2698..2792		
GI Descrip.	(AL162971) putative protein [Arabidopsis thaliana]		

Seq. No.	42260	Seq. ID	OJ000223_11.0405.C25
Gene No.	87906	Strand	+
Start	5	End	2792
Name	OJ000223_11.0405.C25.o1.gs	Method	GENSCAN
Start	1037	End	2042
GI	none	Score	.56
Exons	1037..1100, 1331..1519, 1846..2042		

Seq. No.	42260	Seq. ID	OJ000223_11.0405.C25
Gene No.	87907	Strand	-
Start	5097	End	8869
Name	OJ000223_11.0405.C25.o1.gp	Method	AAT/GAP
Start	4921	End	5322

GI	4137_1.R1084	Score	521
Exons	4921..5322		
GI Descrip.	'3047064 1.0e-17 (AF058825) contains similarity to peptidyl-prolyl cis-trans isomerase (Pfam: pro_isomerase.hmm, score: 23.86 and 28.41 [Arabidopsis thaliana]'		

Seq. No.	42260	Seq. ID	OJ000223_11.0405.C25
Gene No.	87907	Strand	-
Start	5097	End	8869
Name	OJ000223_11.0405.C25.o2.gs	Method	GENSCAN
Start	5097	End	8567
GI	none	Score	.62
Exons	5097..5308, 8025..8567		

Seq. No.	42260	Seq. ID	OJ000223_11.0405.C25
Gene No.	87907	Strand	-
Start	5097	End	8869
Name	OJ000223_11.0405.C25.o2.np	Method	AAT/NAP
Start	5103	End	8811
GI	7486624	Score	746
Exons	5103..5308, 8025..8540, 8704..8811		
GI Descrip.	hypothetical protein F7N22.3 - Arabidopsis thaliana gi|3047064|gb|AAC13578.1| (AF058825) contains similarity to peptidyl-prolyl cis-trans isomerase (Pfam: pro_isomerase.hmm, score: 23.86 and 28.41 [Arabidopsis thaliana]		

Seq. No.	42260	Seq. ID	OJ000223_11.0405.C25
Gene No.	87907	Strand	-
Start	5097	End	8869
Name	OJ000223_11.0405.C25.o1.tm	Method	TBLASTX:Maize
Start	5199	End	8346
GI	none	Score	138
Exons	5199..5309, 5199..5309, 5200..5334, 5200..5328, 8024..8326, 8025..8327, 8032..8346, 8033..8332		

Seq. No.	42260	Seq. ID	OJ000223_11.0405.C25
Gene No.	87907	Strand	-
Start	5097	End	8869
Name	OJ000223_11.0405.C25.o1.tc	Method	TBLASTX:Cress
Start	8086	End	8536
GI	none	Score	82
Exons	8086..8178, 8269..8388, 8341..8442, 8348..8437, 8470..8535, 8471..8536		

Seq. No.	42260	Seq. ID	OJ000223_11.0405.C25
Gene No.	87907	Strand	-
Start	5097	End	8869
Name	OJ000223_11.0405.C25.o2.gp	Method	AAT/GAP
Start	8106	End	8869
GI	8013_1.R1084	Score	1493
Exons	8106..8869		
GI Descrip.	'3047064 3.0e-39 (AF058825) contains similarity to peptidyl-prolyl cis-trans isomerase (Pfam: pro_isomerase.hmm, score: 23.86 and 28.41 [Arabidopsis thaliana]'		

Seq. No.	42260	Seq. ID	OJ000223_11.0405.C25
Gene No.	87907	Strand	-

Start	5097	End	8869
Name	OJ000223_11.0405.C25.o2.tm	Method	TBLASTX:Maize
Start	8446	End	8706
GI	none	Score	157
Exons	8446..8559, 8448..8696, 8450..8704, 8505..8579, 8558..8695, 8629..8706		

Seq. No.	42261	Seq. ID	OJ000303_05.0410.C1
Gene No.	87908	Strand	-
Start	588	End	754
Name	OJ000303_05.0410.C1.o1.gs	Method	GENSCAN
Start	588	End	754
GI	none	Score	.7
Exons	588..754		

Seq. No.	42262	Seq. ID	OJ000303_05.0410.C2
Gene No.	87909	Strand	+
Start	104	End	652
Name	OJ000303_05.0410.C2.o1.gs	Method	GENSCAN
Start	104	End	652
GI	none	Score	.83
Exons	104..652		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87910	Strand	+
Start	83	End	10056
Name	OJ000303_05.0410.C4.o1.np	Method	AAT/NAP
Start	83	End	1708
GI	6692122	Score	325
Exons	83..312, 393..528, 627..705, 842..1007, 1053..1138, 1165..1248, 1440..1492, 1586..1708		
GI Descrip.	(AC007654) T19E23.9 [Arabidopsis thaliana]		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87910	Strand	+
Start	83	End	10056
Name	OJ000303_05.0410.C4.o1.gp	Method	AAT/GAP
Start	500	End	1702
GI	uC-osf1M202035f05b1	Score	708
Exons	500..528, 627..701, 842..963, 1053..1128, 1577..1702		
GI Descrip.	'4538965/emb|CAB39789.1| 4.0e-18 (AL049488) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87910	Strand	+
Start	83	End	10056
Name	OJ000303_05.0410.C4.o1.gs	Method	GENSCAN
Start	693	End	10056
GI	none	Score	.78
Exons	693..705, 876..963, 1053..1128, 2697..2885, 2887..3217, 3629..3786, 4642..4686, 5327..6013, 6230..9553, 9562..10056		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87910	Strand	+
Start	83	End	10056
Name	OJ000303_05.0410.C4.o2.gp	Method	AAT/GAP
Start	3239	End	3543

GI	5455403	Score	530
Exons	3239..3543		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87910	Strand	+
Start	83	End	10056
Name	OJ000303_05.0410.C4.o2.np	Method	AAT/NAP
Start	3699	End	10053
GI	5295971	Score	5292
Exons	3699..3813, 5394..5691, 5747..10053		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87911	Strand	+
Start	10406	End	11293
Name	OJ000303_05.0410.C4.o2.gs	Method	GENSCAN
Start	10406	End	11293
GI	none	Score	.95
Exons	10406..10761, 10918..11293		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87912	Strand	+
Start	11482	End	12084
Name	OJ000303_05.0410.C4.o4.gp	Method	AAT/GAP
Start	11482	End	12084
GI	none	Score	1145
Exons	11482..12084		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87913	Strand	+
Start	19947	End	20725
Name	OJ000303_05.0410.C4.o4.gs	Method	GENSCAN
Start	19947	End	20725
GI	none	Score	.45
Exons	19947..20024, 20440..20559, 20708..20725		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87914	Strand	-
Start	11921	End	15056
Name	OJ000303_05.0410.C4.o3.gs	Method	GENSCAN
Start	11921	End	15056
GI	none	Score	.81
Exons	11921..12180, 12668..12862, 13064..13814, 14355..15056		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87914	Strand	-
Start	11921	End	15056
Name	OJ000303_05.0410.C4.o3.np	Method	AAT/NAP
Start	11927	End	15038
GI	7487070	Score	1184
Exons	11927..12184, 12583..12862, 13064..13814, 14355..14608, 14663..14834, 14940..15038		
GI Descrip.	hypothetical protein T16H5.20 - Arabidopsis thaliana gi|3250675|emb|CAA19683.1| (AL024486) putative protein [Arabidopsis thaliana] gi|7268762|emb|CAB78968.1| (AL161551)		

putative protein [Arabidopsis thaliana]

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87914	Strand	-
Start	11921	End	15056
Name	OJ000303_05.0410.C4.o5.gp	Method	AAT/GAP
Start	13394	End	14395
GI	8854_1.R1084	Score	872
Exons	13394..13814, 14356..14395		
GI Descrip.	'1773295 1.0e-19 (U76707) regulatory protein NPR1 [Arabidopsis thaliana] >gi_1916912 (U87794) transcription factor inhibitor I kappa B homolog [Arabidopsis thaliana]'		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87915	Strand	-
Start	20599	End	20845
Name	OJ000303_05.0410.C4.o6.gp	Method	AAT/GAP
Start	20599	End	20845
GI	8022_1.R1084	Score	309
Exons	20599..20845		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o10.tm	Method	TBLASTX:Maize
Start	390	End	955
GI	none	Score	195
Exons	390..530, 391..534, 398..556, 626..703, 627..713, 841..954, 842..955		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o5.ts	Method	TBLASTX:Soybean
Start	487	End	1128
GI	none	Score	44
Exons	487..534, 626..706, 627..749, 800..967, 895..966, 899..967, 903..971, 1053..1127, 1054..1128, 1056..1127		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o11.tm	Method	TBLASTX:Maize
Start	5754	End	11036
GI	none	Score	67
Exons	5754..5822, 5758..5823, 5856..6005, 5872..5958, 5873..6034, 5948..6034, 10938..11036		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o4.tm	Method	TBLASTX:Maize
Start	6268	End	6976
GI	none	Score	215
Exons	6268..6501, 6269..6508, 6569..6688, 6628..6675, 6689..6736,		

6714..6764, 6776..6967, 6778..6969, 6779..6976

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o1.tw	Method	TBLASTX:Wheat
Start	6901	End	7354
GI	none	Score	344
Exons	6901..7077, 6902..7267, 6902..7282, 7274..7354, 7279..7341		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o9.tm	Method	TBLASTX:Maize
Start	6991	End	7234
GI	none	Score	302
Exons	6991..7080, 6992..7231, 7025..7234, 7026..7232		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o6.ts	Method	TBLASTX:Soybean
Start	7292	End	7618
GI	none	Score	200
Exons	7292..7618, 7388..7468		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o3.tw	Method	TBLASTX:Wheat
Start	7430	End	7978
GI	none	Score	291
Exons	7430..7891, 7648..7791, 7898..7978		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o2.tm	Method	TBLASTX:Maize
Start	7630	End	8056
GI	none	Score	625
Exons	7630..8055, 7634..8056, 7646..8056		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o3.ts	Method	TBLASTX:Soybean
Start	7661	End	8128
GI	none	Score	315
Exons	7661..7969, 7666..7956, 7994..8128		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o4.tc	Method	TBLASTX:Cress
Start	7676	End	8116
GI	none	Score	202
Exons	7676..7972, 7717..7758, 7828..7878, 7924..7962, 7994..8116		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o2.ts	Method	TBLASTX:Soybean
Start	8528	End	8989
GI	5509260	Score	412
Exons	8528..8989, 8545..8730, 8851..8937		
GI Descrip.	-		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o8.tm	Method	TBLASTX:Maize
Start	8558	End	8875
GI	none	Score	402
Exons	8558..8875, 8558..8863, 8779..8874		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o5.tc	Method	TBLASTX:Cress
Start	8650	End	8914
GI	none	Score	249
Exons	8650..8730, 8651..8914, 8711..8857		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o2.tw	Method	TBLASTX:Wheat
Start	8696	End	9241
GI	none	Score	271
Exons	8696..8989, 8851..8931, 9017..9241, 9019..9195		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o3.tm	Method	TBLASTX:Maize
Start	9068	End	9459
GI	none	Score	546
Exons	9068..9457, 9070..9459		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o3.tc	Method	TBLASTX:Cress
Start	9374	End	10023
GI	none	Score	133
Exons	9374..9505, 9383..9478, 9505..9648, 9655..9735, 9663..9731, 9802..10023, 9807..10016		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o4.ts	Method	TBLASTX:Soybean
Start	9395	End	10017
GI	none	Score	108

Exons	9395..9505, 9553..9714, 9636..9728, 9796..10017, 9810..9896		
Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o6.tm	Method	TBLASTX:Maize
Start	9631	End	10019
GI	none	Score	452
Exons	9631..10017, 9631..10011, 9636..10019		
Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	11915	End	14448
GI	none	Score	181
Exons	11915..12193, 11969..12181, 11998..12183, 12639..12689, 12669..12779, 12670..12771, 12670..12819, 12756..12863, 12781..12864, 12785..12865, 13055..13129, 13065..13817, 13065..13817, 14350..14448, 14355..14426, 14356..14448		
Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o1.ts	Method	TBLASTX:Soybean
Start	11972	End	14738
GI	none	Score	63
Exons	11972..12085, 12021..12083, 12098..12181, 12128..12193, 12669..12761, 12670..12756, 12753..12863, 12784..12864, 13065..13625, 13117..13569, 13611..13817, 13648..13803, 14349..14585, 14356..14538, 14673..14738		
Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o1.tc	Method	TBLASTX:Cress
Start	12131	End	14738
GI	none	Score	70
Exons	12131..12223, 13065..13214, 13065..13580, 13335..13580, 13617..13727, 13749..13817, 14355..14585, 14685..14738		
Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o4.np	Method	AAT/NAP
Start	20985	End	23940
GI	1353239	Score	411
Exons	20985..21052, 22848..23013, 23434..23940		
GI Descrip.	(U10245) putative RNA helicase A [Arabidopsis thaliana]		
Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o7.gp	Method	AAT/GAP
Start	22082	End	22468
GI	none	Score	735
Exons	22082..22468		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o5.gs	Method	GENSCAN
Start	22527	End	23933
GI	none	Score	.46
Exons	22527..22745, 23434..23531, 23607..23775, 23893..23933		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o7.tm	Method	TBLASTX:Maize
Start	22604	End	23508
GI	none	Score	75
Exons	22604..22669, 22604..22666, 22648..23016, 22665..23027, 22670..23014, 23428..23508, 23432..23506		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o2.tc	Method	TBLASTX:Cress
Start	22933	End	23935
GI	none	Score	84
Exons	22933..23016, 22934..23023, 23429..23563, 23431..23565, 23647..23760, 23648..23749, 23755..23934, 23786..23935		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o5.tm	Method	TBLASTX:Maize
Start	23509	End	23956
GI	none	Score	464
Exons	23509..23934, 23510..23956, 23642..23935		

Seq. No.	42263	Seq. ID	OJ000303_05.0410.C4
Gene No.	87916	Strand	-
Start	20985	End	23956
Name	OJ000303_05.0410.C4.o7.ts	Method	TBLASTX:Soybean
Start	23710	End	23935
GI	none	Score	119
Exons	23710..23868, 23714..23857, 23836..23934, 23882..23935		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87917	Strand	+
Start	11361	End	11591
Name	OJ000303_05.0410.C5.o3.gs	Method	GENSCAN
Start	11361	End	11591
GI	none	Score	.97
Exons	11361..11591		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87918	Strand	+
Start	12484	End	12922
Name	OJ000303_05.0410.C5.o4.gs	Method	GENSCAN
Start	12484	End	12922
GI	none	Score	.73

Exons	12484..12579, 12792..12922		
Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87919	Strand	-
Start	412	End	7755
Name	OJ000303_05.0410.C5.o1.np	Method	AAT/NAP
Start	412	End	7387
GI	1353239	Score	2371
Exons	412..979, 1121..2121, 2200..2289, 2698..2731, 2818..2870, 3673..3698, 3735..3834, 4337..4395, 4476..4566, 4941..4985, 5358..5432, 5562..5871, 6036..6126, 7317..7387		
GI Descrip.	(U10245) putative RNA helicase A [Arabidopsis thaliana]		
Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87919	Strand	-
Start	412	End	7755
Name	OJ000303_05.0410.C5.o1.gs	Method	GENSCAN
Start	421	End	7755
GI	none	Score	.74
Exons	421..979, 1121..1848, 1854..2121, 4337..4395, 4476..4566, 4941..4985, 5358..5432, 5589..5871, 6036..6126, 7317..7755		
Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87919	Strand	-
Start	412	End	7755
Name	OJ000303_05.0410.C5.o1.gp	Method	AAT/GAP
Start	6034	End	6126
GI	3763026	Score	139
Exons	6034..6126		
GI Descrip.	3201609 2.0e-09 (AC004669) putative RNA helicase A [Arabidopsis thaliana]		
Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87919	Strand	-
Start	412	End	7755
Name	OJ000303_05.0410.C5.o2.gp	Method	AAT/GAP
Start	7070	End	7581
GI	3763026	Score	508
Exons	7070..7091, 7317..7581		
GI Descrip.	3201609 2.0e-09 (AC004669) putative RNA helicase A [Arabidopsis thaliana]		
Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87920	Strand	-
Start	8305	End	11229
Name	OJ000303_05.0410.C5.o2.gs	Method	GENSCAN
Start	8305	End	11229
GI	none	Score	.98
Exons	8305..9087, 10623..10973, 11095..11229		
Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87920	Strand	-
Start	8305	End	11229
Name	OJ000303_05.0410.C5.o2.np	Method	AAT/NAP
Start	8414	End	8892
GI	7489145	Score	294
Exons	8414..8720, 8826..8892		

GI Descrip. hypothetical protein (clone NF24) - common tobacco gi|1762947|gb|AAC49976.1| (U66270) ORF; able to induce HR-like lesions [Nicotiana tabacum]

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	408	End	6131
GI	none	Score	371
Exons	408..983, 419..985, 1118..1825, 1119..1682, 1121..1687, 1747..1791, 1816..2022, 1817..1918, 1828..2016, 1969..2040, 2023..2121, 2048..2122, 2051..2125, 2192..2284, 2197..2289, 2817..2870, 2818..2871, 3751..3837, 4334..4399, 4335..4397, 4477..4533, 4478..4534, 4537..4569, 4537..4566, 4926..4988, 5352..5435, 5559..5792, 6035..6127, 6036..6131		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	408	End	925
GI	none	Score	605
Exons	408..923, 417..923, 418..924, 419..925		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o2.ts	Method	TBLASTX:Soybean
Start	629	End	910
GI	none	Score	206
Exons	629..910, 630..896, 761..904		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o5.tm	Method	TBLASTX:Maize
Start	1301	End	1642
GI	none	Score	116
Exons	1301..1456, 1310..1642, 1311..1586		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o3.ts	Method	TBLASTX:Soybean
Start	1338	End	1627
GI	none	Score	103
Exons	1338..1610, 1343..1627		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	1715	End	3766
GI	none	Score	150
Exons	1715..1825, 1716..1832, 1716..1868, 1816..1956, 1817..1927, 1828..1956, 2065..2121, 2065..2121, 2072..2131, 2073..2129,		

2191..2289, 2195..2290, 2196..2291, 2198..2290, 2695..2733,
2697..2732, 2707..2751, 2812..2871, 2814..2870, 2817..2894,
2818..2871, 2819..2875, 3671..3766, 3671..3763, 3673..3765

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	8290	End	10716
GI	none	Score	528
Exons	8290..8745, 8291..8752, 8345..8755, 8734..8766, 8764..8970, 8765..9109, 8771..9088, 9043..9105, 10623..10706, 10623..10715, 10624..10716		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	8305	End	10974
GI	none	Score	100
Exons	8305..8514, 8345..8512, 8527..8721, 8531..8722, 8741..8815, 8770..8814, 8860..8961, 8963..9112, 9043..9096, 10623..10703, 10626..10688, 10761..10931, 10776..10931, 10855..10932, 10924..10974		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o4.tm	Method	TBLASTX:Maize
Start	10719	End	11235
GI	none	Score	278
Exons	10719..10973, 10719..10985, 10720..10974, 11058..11129, 11093..11128, 11130..11234, 11141..11158, 11188..11235		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	10737	End	11226
GI	none	Score	321
Exons	10737..10985, 10776..10973, 11096..11128, 11097..11159, 11179..11226		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o2.tc	Method	TBLASTX:Cress
Start	10846	End	10985
GI	none	Score	157
Exons	10846..10974, 10851..10985		

Seq. No.	42264	Seq. ID	OJ000303_05.0410.C5
Gene No.	87921	Strand	-
Start	11152	End	11285
Name	OJ000303_05.0410.C5.o3.gp	Method	AAT/GAP
Start	11152	End	11285
GI	uC-osflm202102c03b1	Score	233

Exons	11152..11285		
GI Descrip.	'3201609 2.0e-09 (AC004669) putative RNA helicase A [Arabidopsis thaliana]'		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87922	Strand	+
Start	1695	End	3297
Name	OJ000303_05.0410.C6.o1.gs	Method	GENSCAN
Start	1695	End	3297
GI	none	Score	.66
Exons	1695..1884, 2012..2134, 3113..3297		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87923	Strand	+
Start	5323	End	17891
Name	OJ000303_05.0410.C6.o1.np	Method	AAT/NAP
Start	5302	End	9310
GI	7487949	Score	1083
Exons	5302..5706, 5803..5993, 6097..6268, 6357..6469, 6555..6678, 6901..7050, 7632..7711, 7824..7875, 9273..9310		
GI Descrip.	lysosomal Pro-X carboxypeptidase homolog F6H11.120 - Arabidopsis thaliana gi|2827710|emb|CAA16683.1| (AL021684) lysosomal Pro-X carboxypeptidase - like protein [Arabidopsis thaliana]		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87923	Strand	+
Start	5323	End	17891
Name	OJ000303_05.0410.C6.o3.gs	Method	GENSCAN
Start	5323	End	15120
GI	none	Score	.72
Exons	5323..5989, 6135..6268, 6357..6469, 6555..6678, 6901..7050, 7210..7362, 7632..7711, 7824..7873, 8186..8296, 8588..8614, 8648..8700, 9173..9328, 11634..11843, 12005..12258, 12448..12718, 12799..12882, 12962..14481, 14679..14895, 14995..15120		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87923	Strand	+
Start	5323	End	17891
Name	OJ000303_05.0410.C6.o2.gp	Method	AAT/GAP
Start	7828	End	8377
GI	2796246	Score	377
Exons	7828..7876, 8191..8377		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87923	Strand	+
Start	5323	End	17891
Name	OJ000303_05.0410.C6.o3.np	Method	AAT/NAP
Start	9991	End	17891
GI	7486519	Score	1362
Exons	9991..10065, 10574..10713, 11634..11843, 12005..12261, 12451..12882, 12962..14395, 17824..17891		
GI Descrip.	hypothetical protein F6H11.110 - Arabidopsis thaliana gi|2827709|emb|CAA16682.1| (AL021684) predicted protein [Arabidopsis thaliana]		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6

Gene No.	87923	Strand	+
Start	5323	End	17891
Name	OJ000303_05.0410.C6.o3.gp	Method	AAT/GAP
Start	13277	End	14323
GI	7695_1.R1084	Score	2078
Exons	13277..14323		
GI Descrip.	'2827709/emb|CAA16682| 1.0e-63 (AL021684) predicted protein [Arabidopsis thaliana]'		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87924	Strand	-
Start	4209	End	4967
Name	OJ000303_05.0410.C6.o2.gs	Method	GENSCAN
Start	4209	End	4967
GI	none	Score	1
Exons	4209..4967		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87925	Strand	-
Start	9521	End	10946
Name	OJ000303_05.0410.C6.o2.np	Method	AAT/NAP
Start	9521	End	10946
GI	5852084	Score	82
Exons	9521..9608, 10885..10946		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87926	Strand	-
Start	15015	End	15468
Name	OJ000303_05.0410.C6.o4.gp	Method	AAT/GAP
Start	15015	End	15468
GI	none	Score	870
Exons	15015..15468		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87927	Strand	-
Start	17357	End	17779
Name	OJ000303_05.0410.C6.o4.gs	Method	GENSCAN
Start	17357	End	17779
GI	none	Score	.51
Exons	17357..17467, 17711..17779		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	5458	End	5901
GI	none	Score	72
Exons	5458..5508, 5595..5654, 5596..5706, 5764..5826, 5800..5847, 5839..5901		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o3.tm	Method	TBLASTX:Maize
Start	5776	End	6000
GI	none	Score	298

Exons	5776..5988, 5800..6000, 5801..5989		
Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	5867	End	6609
GI	none	Score	40
Exons	5867..5929, 5868..6014, 5869..6000, 6058..6078, 6134..6268, 6134..6268, 6136..6288, 6351..6470, 6359..6466, 6550..6609		
Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	6127	End	8320
GI	none	Score	206
Exons	6127..6291, 6143..6292, 6351..6470, 6356..6463, 6547..6678, 6549..6668, 6550..6681, 6898..7050, 6903..7067, 6921..7055, 7207..7248, 7207..7251, 7251..7361, 7252..7362, 7255..7362, 7629..7709, 7632..7712, 7634..7720, 7824..7874, 7825..7875, 7825..7875, 8185..8295, 8185..8316, 8186..8320		
Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o2.tc	Method	TBLASTX:Cress
Start	6589	End	8292
GI	none	Score	146
Exons	6589..6681, 6601..6666, 6901..7050, 6906..7115, 6948..7055, 7206..7256, 7207..7254, 7237..7362, 7240..7362, 7245..7364, 7632..7709, 7655..7708, 7822..7875, 8185..8292		
Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o3.ts	Method	TBLASTX:Soybean
Start	6901	End	7284
GI	none	Score	218
Exons	6901..7050, 6906..7067, 6909..7055, 7197..7250, 7207..7254, 7237..7284		
Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o4.ts	Method	TBLASTX:Soybean
Start	10606	End	12067
GI	none	Score	116
Exons	10606..10713, 11634..11846, 11645..11767, 12005..12067		
Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o4.tm	Method	TBLASTX:Maize
Start	13355	End	13548
GI	none	Score	245
Exons	13355..13546, 13372..13446, 13409..13546, 13414..13548		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	13373	End	13942
GI	none	Score	261
Exons	13373..13942		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	13549	End	15292
GI	none	Score	434
Exons	13549..14082, 13582..13704, 13598..14083, 13602..14027, 13897..14043, 14057..14233, 14079..14231, 14296..14367, 14297..14368, 14452..14544, 14453..14545, 14464..14544, 14526..14576, 14544..14576, 14669..14746, 14676..14741, 14677..14826, 15075..15125, 15076..15123, 15200..15292		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o1.tw	Method	TBLASTX:Wheat
Start	13839	End	14188
GI	none	Score	372
Exons	13839..14180, 13839..14186, 13844..14188		

Seq. No.	42265	Seq. ID	OJ000303_05.0410.C6
Gene No.	87928	Strand	-
Start	19719	End	20350
Name	OJ000303_05.0410.C6.o5.gs	Method	GENSCAN
Start	19719	End	20350
GI	none	Score	.71
Exons	19719..19791, 20084..20350		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87929	Strand	+
Start	1	End	3194
Name	OJ000303_05.0410.C7.o1.np	Method	AAT/NAP
Start	1	End	3191
GI	4309698	Score	2007
Exons	1..268, 1019..1327, 1433..1723, 1820..1933, 2578..3191		
GI Descrip.	(AC006266) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87929	Strand	+
Start	1	End	3194
Name	OJ000303_05.0410.C7.o1.gs	Method	GENSCAN
Start	92	End	3194
GI	none	Score	.64
Exons	92..268, 1019..1327, 1433..1723, 1820..1949, 2812..3194		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87930	Strand	+
Start	19175	End	19754

Name	OJ000303_05.0410.C7.o1.gp	Method	AAT/GAP
Start	19175	End	19754
GI	37761_1.R1084	Score	1126
Exons	19175..19754		
GI Descrip.	'3810592 5.0e-36 (AC005398) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87931	Strand	-
Start	4458	End	5691
Name	OJ000303_05.0410.C7.o2.gs	Method	GENSCAN
Start	4458	End	5691
GI	none	Score	.72
Exons	4458..4662, 5050..5228, 5623..5691		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87932	Strand	-
Start	6750	End	19022
Name	OJ000303_05.0410.C7.o2.np	Method	AAT/NAP
Start	6620	End	18435
GI	1911429	Score	239
Exons	6620..6681, 10079..10158, 10765..10850, 15875..16202, 18220..18435		
GI Descrip.	A0=heterogeneous nuclear ribonucleoprotein [human, placenta, Peptide, 305 aa]		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87932	Strand	-
Start	6750	End	19022
Name	OJ000303_05.0410.C7.o3.gs	Method	GENSCAN
Start	6750	End	19022
GI	none	Score	.53
Exons	6750..6997, 7113..7190, 9077..9556, 9861..9924, 9962..9999, 10078..10255, 10332..10533, 10643..10929, 10942..11043, 12183..12322, 13041..13251, 13313..13419, 13578..13688, 15577..16201, 17917..18529, 18553..19022		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	3079
GI	none	Score	203
Exons	2..151, 2..85, 4..138, 127..159, 195..254, 197..238, 218..271, 226..270, 1016..1327, 1016..1333, 1018..1329, 1018..1335, 1406..1732, 1406..1729, 1417..1731, 1807..1929, 1810..1929, 1811..1936, 2572..2679, 2577..2675, 2577..2711, 2676..2858, 2677..2856, 2879..2980, 2880..2987, 3032..3079		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o1.tc	Method	TBLASTX:Cress
Start	224	End	2957
GI	none	Score	81
Exons	224..271, 1012..1326, 1016..1327, 1121..1327, 1186..1329, 1393..1725, 1406..1726, 1428..1730, 1826..1936, 1828..1932,		

1829..1936, 1833..1943, 1834..1944, 2577..2858, 2647..2856, 2880..2957

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	226	End	1869
GI	none	Score	79
Exons	226..270, 227..271, 1016..1327, 1027..1335, 1129..1329, 1402..1722, 1406..1723, 1514..1723, 1817..1867, 1819..1869		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o3.ts	Method	TBLASTX:Soybean
Start	1871	End	2805
GI	none	Score	105
Exons	1871..1936, 1873..1923, 2586..2804, 2647..2805		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o2.ts	Method	TBLASTX:Soybean
Start	2808	End	3199
GI	none	Score	78
Exons	2808..2858, 2809..2856, 2877..2933, 2879..2980, 2880..2987, 3016..3138, 3017..3175, 3032..3199, 3033..3194		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o3.tc	Method	TBLASTX:Cress
Start	9321	End	18414
GI	none	Score	96
Exons	9321..9449, 9451..9588, 9463..9573, 9922..10068, 10720..10986, 10742..10987, 10754..10801, 10861..10971, 13231..13317, 15878..16144, 15900..16145, 15912..15959, 15913..15951, 16019..16129, 16020..16124, 18271..18414		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o4.tm	Method	TBLASTX:Maize
Start	9330	End	18414
GI	none	Score	66
Exons	9330..9449, 9451..9576, 9896..10069, 9907..10068, 10729..10974, 10733..10975, 13231..13317, 15887..16132, 15891..16133, 18259..18414		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o4.ts	Method	TBLASTX:Soybean
Start	9330	End	18438
GI	none	Score	80
Exons	9330..9449, 9451..9576, 9451..9573, 9874..10065, 9907..10068,		

9908..10075, 10729..10974, 10739..10975, 10795..10971,
13213..13320, 13231..13317, 15887..16132, 15897..16133,
15953..16129, 15984..16124, 18257..18409, 18259..18438,
18271..18414

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o5.tm	Method	TBLASTX:Maize
Start	11811	End	12258
GI	none	Score	65
Exons	11811..11960, 11812..12051, 12154..12258		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o3.np	Method	AAT/NAP
Start	19481	End	23100
GI	6723425	Score	499
Exons	19481..19947, 20984..21199, 22654..23100		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o4.gs	Method	GENSCAN
Start	19499	End	22980
GI	none	Score	.74
Exons	19499..19942, 21012..21199, 22654..22980		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o3.tm	Method	TBLASTX:Maize
Start	19697	End	21154
GI	none	Score	130
Exons	19697..19837, 19697..19828, 19749..19850, 19885..19941, 19888..19956, 19889..19945, 21009..21152, 21011..21154, 21012..21146, 21013..21153, 21014..21154		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o2.tc	Method	TBLASTX:Cress
Start	19712	End	22906
GI	none	Score	89
Exons	19712..19819, 21009..21200, 21009..21200, 21010..21267, 22655..22723, 22656..22730, 22800..22904, 22805..22906		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o2.gp	Method	AAT/GAP
Start	19834	End	22840
GI	uC-osflcyp091b02b1	Score	859
Exons	19834..19942, 21012..21199, 22654..22840		
GI Descrip.	'2827699/emb|CAA16672| 3.0e-24 (AL021684) predicted protein		

[Arabidopsis thaliana]'

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o5.ts	Method	TBLASTX:Soybean
Start	21121	End	23098
GI	none	Score	68
Exons	21121..21201, 21123..21200, 22679..22723, 22796..22921, 22797..22922, 23009..23098, 23021..23083		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o2.tm	Method	TBLASTX:Maize
Start	22796	End	23098
GI	none	Score	174
Exons	22796..22933, 22797..22931, 23009..23098, 23010..23069, 23021..23098		

Seq. No.	42266	Seq. ID	OJ000303_05.0410.C7
Gene No.	87933	Strand	-
Start	19499	End	23100
Name	OJ000303_05.0410.C7.o3.gp	Method	AAT/GAP
Start	22943	End	23100
GI	none	Score	308
Exons	22943..23100		

Seq. No.	42267	Seq. ID	OJ000303_05.0410.C9
Gene No.	87934	Strand	+
Start	1	End	1912
Name	OJ000303_05.0410.C9.o1.np	Method	AAT/NAP
Start	1	End	1912
GI	1491621	Score	56
Exons	1..191, 1830..1912		
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi|2653311|emb|CAA06097| (AJ004801) very large virion protein (tegument) [Bovine herpesvirus type 1.1]		

Seq. No.	42267	Seq. ID	OJ000303_05.0410.C9
Gene No.	87935	Strand	-
Start	1274	End	2160
Name	OJ000303_05.0410.C9.o1.gs	Method	GENSCAN
Start	1274	End	2160
GI	none	Score	.52
Exons	1274..1326, 1466..1505, 1592..1716, 1863..1910, 2013..2160		

Seq. No.	42268	Seq. ID	OJ000303_05.0410.C10
Gene No.	87936	Strand	+
Start	1538	End	2584
Name	OJ000303_05.0410.C10.o1.gs	Method	GENSCAN
Start	1538	End	2584
GI	none	Score	.52
Exons	1538..1677, 2177..2266, 2397..2431, 2544..2584		

Seq. No.	42269	Seq. ID	OJ000303_05.0410.C11
Gene No.	87937	Strand	+

Start	1196	End	1273
Name	OJ000303_05.0410.C11.o1.np	Method	AAT/NAP
Start	1196	End	1273
GI	6630699	Score	82
Exons	1196..1273		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	42269	Seq. ID	OJ000303_05.0410.C11
Gene No.	87938	Strand	+
Start	5766	End	8447
Name	OJ000303_05.0410.C11.o2.np	Method	AAT/NAP
Start	5766	End	8447
GI	6815109	Score	444
Exons	5766..5798, 7123..8103, 8146..8447		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42269	Seq. ID	OJ000303_05.0410.C11
Gene No.	87939	Strand	+
Start	10636	End	10917
Name	OJ000303_05.0410.C11.o1.gp	Method	AAT/GAP
Start	10636	End	10917
GI	none	Score	515
Exons	10636..10917		

Seq. No.	42269	Seq. ID	OJ000303_05.0410.C11
Gene No.	87940	Strand	-
Start	10381	End	10853
Name	OJ000303_05.0410.C11.o3.gs	Method	GENSCAN
Start	10381	End	10853
GI	none	Score	.8
Exons	10381..10853		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87941	Strand	+
Start	1	End	664
Name	OJ000303_05.0410.C12.o1.np	Method	AAT/NAP
Start	1	End	658
GI	7486265	Score	492
Exons	1..658		
GI Descrip.	hypothetical protein F27L4.4 - Arabidopsis thaliana gi|3152606|gb|AAC17085.1| (AC004482) putative C3HC4-type RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87941	Strand	+
Start	1	End	664
Name	OJ000303_05.0410.C12.o1.gs	Method	GENSCAN
Start	50	End	664
GI	none	Score	.89
Exons	50..664		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87942	Strand	+
Start	4113	End	7802
Name	OJ000303_05.0410.C12.o2.gs	Method	GENSCAN

Start	4113	End	7802
GI	none	Score	.65
Exons	4113..4559, 4600..4621, 4866..5039, 5236..5675, 5767..6467, 6578..6634, 6729..6967, 7254..7376, 7672..7802		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87942	Strand	+
Start	4113	End	7802
Name	OJ000303_05.0410.C12.o3.np	Method	AAT/NAP
Start	5412	End	7517
GI	5668808	Score	1041
Exons	5412..5675, 5767..6308, 6397..6483, 6578..6634, 6729..6967, 7076..7194, 7290..7376, 7467..7517		
GI Descrip.	(AC007519) F16N3.20 [Arabidopsis thaliana]		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87943	Strand	+
Start	11070	End	16965
Name	OJ000303_05.0410.C12.o4.gs	Method	GENSCAN
Start	11070	End	16965
GI	none	Score	.56
Exons	11070..11182, 11527..11586, 11878..12017, 15355..15462, 15593..15691, 16955..16965		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87944	Strand	+
Start	17642	End	18304
Name	OJ000303_05.0410.C12.o1.gp	Method	AAT/GAP
Start	17589	End	18058
GI	none	Score	828
Exons	17589..18058		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87944	Strand	+
Start	17642	End	18304
Name	OJ000303_05.0410.C12.o5.gs	Method	GENSCAN
Start	17642	End	18304
GI	none	Score	1
Exons	17642..18304		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87944	Strand	+
Start	17642	End	18304
Name	OJ000303_05.0410.C12.o7.np	Method	AAT/NAP
Start	17660	End	18298
GI	7484829	Score	256
Exons	17660..18010, 18041..18298		
GI Descrip.	calmodulin homolog F18B3.50 - Arabidopsis thaliana gi|4835228|emb|CAB42906.1| (AL049862) calmodulin-like protein [Arabidopsis thaliana]		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87945	Strand	+
Start	22688	End	26493
Name	OJ000303_05.0410.C12.o6.gs	Method	GENSCAN
Start	22688	End	26399
GI	none	Score	.61

Exons	22688..22718, 22833..22972, 23037..24833, 25031..25108, 25304..25376, 25633..26399		
Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87945	Strand	+
Start	22688	End	26493
Name	OJ000303_05.0410.C12.o8.np	Method	AAT/NAP
Start	25971	End	26493
GI	7438218	Score	165
Exons	25971..26493		
GI Descrip.	serpin - barley gi|1197577|emb|CAA64599.1| (X95277) serpin [Hordeum vulgare]		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87946	Strand	-
Start	4049	End	9096
Name	OJ000303_05.0410.C12.o2.np	Method	AAT/NAP
Start	4049	End	8687
GI	6069646	Score	750
Exons	4049..4735, 8658..8687		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87946	Strand	-
Start	4049	End	9096
Name	OJ000303_05.0410.C12.o3.gs	Method	GENSCAN
Start	8137	End	9096
GI	none	Score	.52
Exons	8137..8307, 8352..8990, 9076..9096		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87946	Strand	-
Start	4049	End	9096
Name	OJ000303_05.0410.C12.o4.np	Method	AAT/NAP
Start	8143	End	8654
GI	7486888	Score	302
Exons	8143..8654		
GI Descrip.	hypothetical protein T12H17.210 - Arabidopsis thaliana gi|2827559|emb|CAA16567.1| (AL021635) predicted protein [Arabidopsis thaliana] gi|3292808|emb|CAA19798.1| (AL031018) putative protein [Arabidopsis thaliana] gi|7269129|emb|CAB79237.1| (AL161558) predicted protein [Arabidopsis thaliana]		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o1.tw	Method	TBLASTX:Wheat
Start	4	End	246
GI	none	Score	249
Exons	4..246, 47..244		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12

Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o2.tm	Method	TBLASTX:Maize
Start	31	End	259
GI	none	Score	376
Exons	31..258, 32..259		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	46	End	570
GI	none	Score	422
Exons	46..321, 50..322, 376..456, 377..460, 439..570		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o2.tc	Method	TBLASTX:Cress
Start	55	End	325
GI	none	Score	402
Exons	55..321, 56..325		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o4.tm	Method	TBLASTX:Maize
Start	368	End	667
GI	none	Score	143
Exons	368..475, 368..667, 412..630		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o7.tm	Method	TBLASTX:Maize
Start	2516	End	4640
GI	none	Score	63
Exons	2516..2593, 4175..4261, 4314..4496, 4324..4497, 4326..4496, 4530..4640		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o5.tm	Method	TBLASTX:Maize
Start	2597	End	2992
GI	none	Score	67
Exons	2597..2896, 2642..2893, 2906..2992		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o6.tm	Method	TBLASTX:Maize
Start	3145	End	3381
GI	none	Score	75
Exons	3145..3249, 3170..3256, 3250..3330, 3313..3381, 3313..3381		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12

Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o3.tw	Method	TBLASTX:Wheat
Start	3188	End	3384
GI	none	Score	113
Exons	3188..3376, 3196..3384		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	5508	End	7376
GI	none	Score	148
Exons	5508..5678, 5516..5668, 5766..5864, 5767..5865, 5935..6045, 5947..6048, 6165..6323, 6166..6324, 6398..6481, 6576..6623, 6579..6632, 6721..6969, 6723..6821, 6924..6974, 7069..7182, 7095..7181, 7284..7376, 7289..7318		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o2.ts	Method	TBLASTX:Soybean
Start	5520	End	6852
GI	none	Score	98
Exons	5520..5678, 5567..5671, 5766..5855, 5767..5865, 5947..6045, 5952..6044, 6166..6207, 6229..6330, 6234..6323, 6398..6481, 6594..6629, 6721..6852, 6726..6851		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	5583	End	7191
GI	none	Score	64
Exons	5583..5678, 5766..5861, 5767..5865, 5932..6051, 5947..6045, 6166..6207, 6222..6323, 6223..6330, 6398..6481, 6579..6629, 6721..6969, 6726..6836, 7027..7191, 7095..7172		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o4.ts	Method	TBLASTX:Soybean
Start	6856	End	7391
GI	none	Score	73
Exons	6856..6969, 7069..7185, 7095..7169, 7269..7379, 7284..7391		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o3.tm	Method	TBLASTX:Maize
Start	8122	End	8594
GI	none	Score	178
Exons	8122..8331, 8138..8323, 8245..8331, 8352..8408, 8484..8594		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831

Name	OJ000303_05.0410.C12.o3.ts	Method	TBLASTX:Soybean
Start	8129	End	8594
GI	none	Score	206
Exons	8129..8332, 8152..8331, 8526..8594		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o3.tc	Method	TBLASTX:Cress
Start	8144	End	8603
GI	none	Score	144
Exons	8144..8323, 8152..8349, 8526..8603		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o2.tw	Method	TBLASTX:Wheat
Start	8147	End	8334
GI	none	Score	123
Exons	8147..8329, 8152..8334, 8171..8329		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o5.np	Method	AAT/NAP
Start	13975	End	15831
GI	4539658	Score	110
Exons	13975..14095, 14177..14391, 15805..15831		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	42270	Seq. ID	OJ000303_05.0410.C12
Gene No.	87947	Strand	-
Start	13975	End	15831
Name	OJ000303_05.0410.C12.o6.np	Method	AAT/NAP
Start	14007	End	14393
GI	4539658	Score	120
Exons	14007..14095, 14177..14393		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	42271	Seq. ID	OJ000303_05.0410.C13
Gene No.	87948	Strand	+
Start	1	End	683
Name	OJ000303_05.0410.C13.o1.np	Method	AAT/NAP
Start	1	End	680
GI	421989	Score	470
Exons	1..680		
GI Descrip.	serpin - barley gi|19071|emb|CAA78822.1| (Z15116) protein zx [Hordeum vulgare] gi|444778|prf||1908213A protein Zx [Hordeum vulgare]		

Seq. No.	42271	Seq. ID	OJ000303_05.0410.C13
Gene No.	87948	Strand	+
Start	1	End	683
Name	OJ000303_05.0410.C13.o1.gs	Method	GENSCAN
Start	78	End	683

GI	none	Score	1
Exons	78..683		

Seq. No.	42271	Seq. ID	OJ000303_05.0410.C13
Gene No.	87949	Strand	-
Start	1	End	4158
Name	OJ000303_05.0410.C13.o2.np	Method	AAT/NAP
Start	1	End	4158
GI	6693023	Score	384
Exons	1..37, 1038..1216, 2868..2949, 3034..3527, 4006..4158		
GI Descrip.	(AC012375) T22C5.20 [Arabidopsis thaliana]		

Seq. No.	42271	Seq. ID	OJ000303_05.0410.C13
Gene No.	87949	Strand	-
Start	1	End	4158
Name	OJ000303_05.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	6	End	668
GI	none	Score	121
Exons	6..143, 8..142, 186..269, 188..262, 290..394, 297..395, 435..485, 581..667, 582..668		

Seq. No.	42271	Seq. ID	OJ000303_05.0410.C13
Gene No.	87949	Strand	-
Start	1	End	4158
Name	OJ000303_05.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	186	End	668
GI	none	Score	83
Exons	186..269, 297..395, 414..482, 579..668, 581..667		

Seq. No.	42271	Seq. ID	OJ000303_05.0410.C13
Gene No.	87949	Strand	-
Start	1	End	4158
Name	OJ000303_05.0410.C13.o3.tm	Method	TBLASTX:Maize
Start	1003	End	3164
GI	none	Score	190
Exons	1003..1215, 1004..1216, 1005..1217, 1012..1239, 1310..1366, 1318..1368, 1318..1368, 2840..2947, 2868..2948, 2869..2949, 3035..3163, 3039..3164		

Seq. No.	42271	Seq. ID	OJ000303_05.0410.C13
Gene No.	87949	Strand	-
Start	1	End	4158
Name	OJ000303_05.0410.C13.o2.gs	Method	GENSCAN
Start	2856	End	3756
GI	none	Score	.8
Exons	2856..2949, 3034..3371, 3718..3756		

Seq. No.	42271	Seq. ID	OJ000303_05.0410.C13
Gene No.	87949	Strand	-
Start	1	End	4158
Name	OJ000303_05.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	3420	End	3782
GI	none	Score	77
Exons	3420..3473, 3420..3479, 3421..3480, 3430..3492, 3472..3621, 3477..3632, 3716..3781, 3716..3781, 3717..3782		

Seq. No.	42272	Seq. ID	OJ000303_01.0403.C3

Gene No.	87950	Strand	+
Start	389	End	5148
Name	OJ000303_01.0403.C3.o1.gs	Method	GENSCAN
Start	389	End	5148
GI	none	Score	.41
Exons	389..467, 1405..1561, 1629..1785, 5020..5148		

Seq. No.	42272	Seq. ID	OJ000303_01.0403.C3
Gene No.	87950	Strand	+
Start	389	End	5148
Name	OJ000303_01.0403.C3.o1.gp	Method	AAT/GAP
Start	1016	End	1148
GI	LIB3474-009-P1-K1-F11	Score	221
Exons	1016..1148		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	42272	Seq. ID	OJ000303_01.0403.C3
Gene No.	87951	Strand	-
Start	5785	End	7544
Name	OJ000303_01.0403.C3.o2.gs	Method	GENSCAN
Start	5785	End	7520
GI	none	Score	.72
Exons	5785..5933, 6348..7051, 7060..7520		

Seq. No.	42272	Seq. ID	OJ000303_01.0403.C3
Gene No.	87951	Strand	-
Start	5785	End	7544
Name	OJ000303_01.0403.C3.o1.np	Method	AAT/NAP
Start	6260	End	7544
GI	2505884	Score	823
Exons	6260..7544		
GI Descrip.	(Y12776) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42273	Seq. ID	OJ000303_01.0403.C4
Gene No.	87952	Strand	+
Start	1094	End	1384
Name	OJ000303_01.0403.C4.o2.gs	Method	GENSCAN
Start	1094	End	1384
GI	none	Score	1
Exons	1094..1384		

Seq. No.	42273	Seq. ID	OJ000303_01.0403.C4
Gene No.	87953	Strand	+
Start	1858	End	2071
Name	OJ000303_01.0403.C4.o3.gs	Method	GENSCAN
Start	1858	End	2071
GI	none	Score	.86
Exons	1858..1930, 2001..2071		

Seq. No.	42273	Seq. ID	OJ000303_01.0403.C4
Gene No.	87954	Strand	+
Start	5354	End	9116
Name	OJ000303_01.0403.C4.o4.gs	Method	GENSCAN
Start	5354	End	9116
GI	none	Score	.73
Exons	5354..5597, 6268..6586, 6964..7022, 9007..9116		

Seq. No.	42273	Seq. ID	OJ000303_01.0403.C4
Gene No.	87955	Strand	-
Start	1	End	533
Name	OJ000303_01.0403.C4.o1.np	Method	AAT/NAP
Start	1	End	529
GI	2505884	Score	387
Exons	1..529		
GI Descrip.	(Y12776) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42273	Seq. ID	OJ000303_01.0403.C4
Gene No.	87955	Strand	-
Start	1	End	533
Name	OJ000303_01.0403.C4.o1.gs	Method	GENSCAN
Start	23	End	529
GI	none	Score	.97
Exons	23..529		

Seq. No.	42273	Seq. ID	OJ000303_01.0403.C4
Gene No.	87955	Strand	-
Start	1	End	533
Name	OJ000303_01.0403.C4.o2.ts	Method	TBLASTX:Soybean
Start	260	End	533
GI	none	Score	108
Exons	260..532, 438..533		

Seq. No.	42273	Seq. ID	OJ000303_01.0403.C4
Gene No.	87956	Strand	
Start	5488	End	6590
Name	OJ000303_01.0403.C4.o1.ts	Method	TBLASTX:Soybean
Start	5488	End	6533
GI	none	Score	84
Exons	5488..5601, 5525..5599, 6253..6414, 6266..6502, 6267..6533, 6267..6509		

Seq. No.	42273	Seq. ID	OJ000303_01.0403.C4
Gene No.	87956	Strand	
Start	5488	End	6590
Name	OJ000303_01.0403.C4.o1.tc	Method	TBLASTX:Cress
Start	5525	End	6590
GI	none	Score	67
Exons	5525..5599, 6266..6385, 6267..6590, 6279..6584		

Seq. No.	42273	Seq. ID	OJ000303_01.0403.C4
Gene No.	87956	Strand	
Start	5488	End	6590
Name	OJ000303_01.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	5561	End	6590
GI	none	Score	65
Exons	5561..5599, 6257..6511, 6260..6586, 6267..6590, 6267..6587		

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87957	Strand	+
Start	8260	End	10600
Name	OJ000303_01.0403.C5.o1.gp	Method	AAT/GAP
Start	8260	End	10600
GI	1631793	Score	774

Exons	8260..8325, 9480..9556, 10335..10600		
Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87958	Strand	+
Start	10610	End	12538
Name	OJ000303_01.0403.C5.o1.np	Method	AAT/NAP
Start	10610	End	12538
GI	6692098	Score	1442
Exons	10610..12538		
GI Descrip.	(AC007764) F22C12.10 [Arabidopsis thaliana]		
Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87958	Strand	+
Start	10610	End	12538
Name	OJ000303_01.0403.C5.o2.gp	Method	AAT/GAP
Start	10858	End	11379
GI	none	Score	1040
Exons	10858..11379		
Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87958	Strand	+
Start	10610	End	12538
Name	OJ000303_01.0403.C5.o3.gp	Method	AAT/GAP
Start	11836	End	12242
GI	58105_1.R1084	Score	791
Exons	11836..12242		
GI Descrip.	'4586107/emb|CAB40943.1| 6.0e-34 (AL049638) putative disease resistance protein [Arabidopsis thaliana]'		
Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87959	Strand	-
Start	12238	End	12926
Name	OJ000303_01.0403.C5.o4.gp	Method	AAT/GAP
Start	12238	End	12926
GI	none	Score	1255
Exons	12238..12926		
Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o4.tm	Method	TBLASTX:Maize
Start	10454	End	11007
GI	none	Score	59
Exons	10454..10504, 10458..10493, 10463..10510, 10525..10716, 10526..10564, 10533..10682, 10601..10717, 10728..10805, 10732..10806, 10732..10803, 10733..10807, 10797..10934, 10797..11006, 10807..11007, 10807..11007		
Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	11329	End	12282
GI	none	Score	902
Exons	11329..11727, 11330..11935, 11390..11863, 11407..11727, 11407..11697, 11407..11562, 11546..11941, 11754..11909, 11760..11927, 11764..11898, 11767..11898, 11767..11880,		

11779..11898, 11779..11859, 11939..12157, 11945..12097,
11945..12163, 11945..12160, 11945..12160, 11945..12160,
11998..12153, 11998..12147, 11998..12150, 11999..12157,
12001..12156, 12016..12159, 12016..12156, 12074..12166,
12197..12247, 12197..12247, 12203..12247, 12271..12282

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o1.tc	Method	TBLASTX:Cress
Start	11372	End	12184
GI	none	Score	1266
Exons	11372..12184, 11398..11727, 11401..11598, 11470..11601, 11738..11785, 11773..11898, 11782..11898, 11785..11898, 11965..12114, 11998..12162, 12001..12153, 12001..12147, 12004..12147		

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o1.ts	Method	TBLASTX:Soybean
Start	11389	End	12340
GI	none	Score	572
Exons	11389..11580, 11390..11860, 11390..11554, 11396..11581, 11401..11583, 11404..11547, 11404..11484, 11404..11538, 11407..11688, 11411..12190, 11411..12169, 11636..11686, 11998..12186, 12203..12340, 12211..12285		

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o2.np	Method	AAT/NAP
Start	13051	End	16796
GI	7267618	Score	1176
Exons	13051..13091, 13415..13823, 14051..14129, 15512..15675, 15865..16053, 16580..16796		
GI Descrip.	(AL161491) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o3.tm	Method	TBLASTX:Maize
Start	13312	End	13692
GI	none	Score	56
Exons	13312..13368, 13313..13369, 13375..13467, 13377..13454, 13426..13599, 13551..13691, 13566..13691, 13645..13692		

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o3.gs	Method	GENSCAN
Start	13380	End	16717
GI	none	Score	.97
Exons	13380..13823, 14051..14129, 15512..15675, 15865..16053, 16580..16717		

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5

Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o2.ts	Method	TBLASTX:Soybean
Start	13543	End	14153
GI	5752490	Score	218
Exons	13543..13824, 13551..13829, 14051..14149, 14058..14153		
GI Descrip.	2191144 4.0e-33 (AF007269) A_IG002N01.24 gene product [Arabidopsis thaliana]		

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o5.gp	Method	AAT/GAP
Start	13609	End	14229
GI	LIB3433-029-P1-K1-B1	Score	741
Exons	13609..13823, 14051..14229		
GI Descrip.	'231982/sp|P16891|DCUP_SYNP7 2.0e-37 UROPORPHYRINOGEN DECARBOXYLASE (UPD) >gi_1075614_pir__A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) >gi_48040_emb_CAA77766_ (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]'		

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o2.tm	Method	TBLASTX:Maize
Start	15182	End	16784
GI	none	Score	65
Exons	15182..15244, 15184..15240, 15501..15677, 15501..15620, 15502..15678, 15502..15678, 15655..15696, 15861..16061, 15865..16053, 16574..16777, 16580..16771, 16581..16784		

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o4.ts	Method	TBLASTX:Soybean
Start	15509	End	15678
GI	none	Score	102
Exons	15509..15616, 15509..15676, 15511..15678		

Seq. No.	42274	Seq. ID	OJ000303_01.0403.C5
Gene No.	87960	Strand	-
Start	13380	End	16796
Name	OJ000303_01.0403.C5.o3.ts	Method	TBLASTX:Soybean
Start	15990	End	16784
GI	none	Score	80
Exons	15990..16061, 15990..16046, 15991..16053, 16565..16765, 16580..16783, 16581..16784		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87961	Strand	+
Start	1128	End	7385
Name	OJ000303_01.0403.C6.o2.np	Method	AAT/NAP
Start	1128	End	7385
GI	7340860	Score	81
Exons	1128..1201, 4028..4132, 7338..7385		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87961	Strand	+
Start	1128	End	7385
Name	OJ000303_01.0403.C6.o2.gs	Method	GENSCAN
Start	3305	End	5675
GI	none	Score	.73
Exons	3305..3369, 3374..3423, 3441..3533, 3706..3842, 4118..4284, 5492..5675		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87962	Strand	-
Start	1	End	2967
Name	OJ000303_01.0403.C6.o1.np	Method	AAT/NAP
Start	1	End	2967
GI	7267618	Score	779
Exons	1..411, 522..722, 828..1019, 1058..1145, 1236..1407, 1514..1564, 1704..1813, 2272..2358, 2528..2967		
GI Descrip.	(AL161491) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87962	Strand	-
Start	1	End	2967
Name	OJ000303_01.0403.C6.o1.gs	Method	GENSCAN
Start	24	End	2967
GI	none	Score	.73
Exons	24..411, 858..1145, 1236..1407, 1514..1564, 1704..1813, 2272..2358, 2473..2967		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971
Name	OJ000303_01.0403.C6.o3.tm	Method	TBLASTX:Maize
Start	1	End	216
GI	none	Score	219
Exons	1..216, 2..214		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971
Name	OJ000303_01.0403.C6.o2.ts	Method	TBLASTX:Soybean
Start	125	End	353
GI	none	Score	134
Exons	125..349, 127..348, 195..353		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971
Name	OJ000303_01.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	235	End	609
GI	none	Score	167
Exons	235..435, 237..407, 242..412, 519..608, 526..609		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971

Name	OJ000303_01.0403.C6.o2.tc	Method	TBLASTX:Cress
Start	939	End	1561
GI	none	Score	61
Exons	939..1013, 940..1014, 1087..1134, 1092..1154, 1233..1391, 1237..1392, 1516..1560, 1520..1561		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971
Name	OJ000303_01.0403.C6.o4.tm	Method	TBLASTX:Maize
Start	6808	End	8079
GI	none	Score	192
Exons	6808..7008, 6810..7007, 6815..7015, 6836..7009, 7920..8078, 7926..8078, 7930..8079		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971
Name	OJ000303_01.0403.C6.o3.gs	Method	GENSCAN
Start	6839	End	8863
GI	none	Score	.53
Exons	6839..7007, 7491..7680, 8018..8171, 8736..8863		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971
Name	OJ000303_01.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	6866	End	8970
GI	none	Score	107
Exons	6866..7006, 6866..7009, 6867..7010, 6876..7010, 7926..8189, 7930..8148, 7941..8189, 8727..8969, 8736..8969, 8743..8970		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971
Name	OJ000303_01.0403.C6.o3.np	Method	AAT/NAP
Start	6890	End	8971
GI	2501647	Score	523
Exons	6890..7007, 7936..8171, 8736..8971		
GI Descrip.	UROPORPHYRINOGEN DECARBOXYLASE PRECURSOR (UPD) gi|1362120|pir||S55732 uroporphyrinogen decarboxylase - common tobacco gi|1009429|emb|CAA58040| (X82833) uroporphyrinogen decarboxylase [Nicotiana tabacum]		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971
Name	OJ000303_01.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	7939	End	8969
GI	none	Score	262
Exons	7939..8172, 7941..8174, 8733..8861, 8736..8858, 8740..8862, 8946..8969		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971
Name	OJ000303_01.0403.C6.o1.gp	Method	AAT/GAP

Start	8025	End	8971
GI	uC-osroM202005a04b1	Score	738
Exons	8025..8171, 8736..8971		
GI Descrip.	'4455359/emb|CAB36769.1| 5.0e-29 (AL035524) putative protein [Arabidopsis thaliana]'		

Seq. No.	42275	Seq. ID	OJ000303_01.0403.C6
Gene No.	87963	Strand	-
Start	6839	End	8971
Name	OJ000303_01.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	8080	End	8971
GI	none	Score	115
Exons	8080..8172, 8080..8187, 8081..8188, 8082..8189, 8733..8969, 8735..8971, 8736..8969, 8740..8970		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87964	Strand	+
Start	6977	End	7420
Name	OJ000303_01.0403.C7.o2.gp	Method	AAT/GAP
Start	6977	End	7420
GI	uC-osflcyp123f01b1	Score	793
Exons	6977..7420		
GI Descrip.	'231982/sp|P16891|DCUP_SYNP7 2.0e-37 UROPORPHYRINOGEN DECARBOXYLASE (UPD) >gi_1075614_pir__A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) >gi_48040_emb_CAA77766_ (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]'		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87965	Strand	+
Start	12139	End	16975
Name	OJ000303_01.0403.C7.o3.gp	Method	AAT/GAP
Start	10646	End	11107
GI	uC-osflcyp162c01b1	Score	892
Exons	10646..11107		
GI Descrip.	'4559381/gb|AAD23041.1|AC006526_6 8.0e-35 (AC006526) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87965	Strand	+
Start	12139	End	16975
Name	OJ000303_01.0403.C7.o4.gs	Method	GENSCAN
Start	12139	End	16580
GI	none	Score	.79
Exons	12139..13384, 14300..14443, 14529..14681, 15002..15117, 15201..15368, 15985..16112, 16202..16301, 16494..16580		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87965	Strand	+
Start	12139	End	16975
Name	OJ000303_01.0403.C7.o1.np	Method	AAT/NAP
Start	12657	End	16574
GI	2129550	Score	1840
Exons	12657..13384, 14300..14443, 14529..14681, 15002..15117, 15201..15368, 15985..16112, 16202..16301, 16494..16574		
GI Descrip.	calcium-dependent protein kinase (EC 2.7.1.-) CDPK6 - Arabidopsis thaliana gi|2129554|pir||S71901 calcium-dependent		

protein kinase 6 - Arabidopsis thaliana gi|7428013|pir||S71774 calcium-dependent protein kinase (EC 2.7.1.-) 6 - Arabidopsis thaliana gi|836940|gb|AAA67654.1| (U20623) calcium-dependent protein kinase [Arabidopsis thaliana] gi|836944|gb|AAA67656.1| (U20625) ca

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87965	Strand	+
Start	12139	End	16975
Name	OJ000303_01.0403.C7.o5.gp	Method	AAT/GAP
Start	15042	End	16975
GI	26483_1.R1084	Score	1734
Exons	15042..15117, 15201..15368, 15985..16112, 16202..16301, 16494..16975		
GI Descrip.	'2129550/pir||S71197 1.0e-71 calcium-dependent protein kinase (EC 2.7.1.-) CDPK6 - Arabidopsis thaliana >gi_2129554_pir__S71901 calcium-dependent protein kinase 6 - Arabidopsis thaliana >gi_836940 (U20623) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_836944 (U20625) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_4454034_emb_CAA23031.1_ (AL035394) calcium-d'		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87966	Strand	+
Start	26485	End	26562
Name	OJ000303_01.0403.C7.o8.gp	Method	AAT/GAP
Start	26485	End	26562
GI	90742_1.R1084	Score	94
Exons	26485..26562		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87967	Strand	-
Start	770	End	1612
Name	OJ000303_01.0403.C7.o1.gs	Method	GENSCAN
Start	770	End	1563
GI	none	Score	.66
Exons	770..838, 946..1334, 1434..1563		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87967	Strand	-
Start	770	End	1612
Name	OJ000303_01.0403.C7.o1.gp	Method	AAT/GAP
Start	946	End	1612
GI	3548927	Score	1054
Exons	946..1334, 1434..1612		
GI Descrip.	231982/sp|P16891|DCUP_SYNP7 2.0e-37 UROPORPHYRINOGEN DECARBOXYLASE (UPD) >gi_1075614_pir__A56609 uroporphyrinogen decarboxylase homolog - Synechococcus sp. (PCC 7942) >gi_48040_emb_CAA77766_ (Z11705) putative uroporphyrinogen decarboxylase [Synechococcus sp.]		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87968	Strand	-
Start	3220	End	5138
Name	OJ000303_01.0403.C7.o2.gs	Method	GENSCAN

Start	3220	End	5138
GI	none	Score	.77
Exons	3220..3770, 4718..4846, 4934..5093, 5133..5138		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87969	Strand	-
Start	7299	End	7703
Name	OJ000303_01.0403.C7.o3.gs	Method	GENSCAN
Start	7299	End	7703
GI	none	Score	.8
Exons	7299..7703		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87970	Strand	-
Start	11507	End	12044
Name	OJ000303_01.0403.C7.o4.gp	Method	AAT/GAP
Start	11507	End	12044
GI	none	Score	949
Exons	11507..12044		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87971	Strand	-
Start	17222	End	19878
Name	OJ000303_01.0403.C7.o6.gp	Method	AAT/GAP
Start	17222	End	19579
GI	30192_1.R1084	Score	1956
Exons	17222..17702, 17851..17939, 18101..18137, 18230..18302, 18380..18463, 18552..18651, 18729..18879, 19519..19579		
GI Descrip.	'3702327 5.0e-47 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87971	Strand	-
Start	17222	End	19878
Name	OJ000303_01.0403.C7.o5.gs	Method	GENSCAN
Start	17547	End	19878
GI	none	Score	.97
Exons	17547..17702, 17851..17939, 18552..18651, 18729..18879, 19519..19601, 19732..19878		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87971	Strand	-
Start	17222	End	19878
Name	OJ000303_01.0403.C7.o2.np	Method	AAT/NAP
Start	17550	End	19601
GI	3702327	Score	372
Exons	17550..17702, 18101..18447, 18488..18647, 18686..18879, 19519..19601		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87972	Strand	-
Start	22010	End	22106
Name	OJ000303_01.0403.C7.o7.gp	Method	AAT/GAP
Start	22010	End	22106
GI	LIB3477-003-P1-K1-E9	Score	148
Exons	22010..22106		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87973	Strand	-
Start	29472	End	30956
Name	OJ000303_01.0403.C7.o7.gs	Method	GENSCAN
Start	29472	End	30956
GI	none	Score	.75
Exons	29472..30956		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87973	Strand	-
Start	29472	End	30956
Name	OJ000303_01.0403.C7.o3.np	Method	AAT/NAP
Start	29481	End	30938
GI	5902366	Score	1047
Exons	29481..30938		

GI Descrip. (AC009322) Hypothetical protein [Arabidopsis thaliana]

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	943	End	1345
GI	none	Score	309
Exons	943..1299, 944..1345, 1300..1332		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o4.tc	Method	TBLASTX:Cress
Start	1024	End	1293
GI	none	Score	237
Exons	1024..1293, 1025..1288		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o6.tm	Method	TBLASTX:Maize
Start	1039	End	1347
GI	none	Score	215
Exons	1039..1287, 1040..1336, 1303..1347		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	12874	End	16691
GI	none	Score	824
Exons	12874..13377, 12876..13400, 12904..13431, 14308..14442, 14310..14441, 14522..14683, 14527..14679, 14975..15046, 14997..15119, 15001..15135, 15001..15135, 15003..15146, 15198..15368, 15200..15391, 15201..15368, 15984..16127, 15984..16115, 15985..16128, 16196..16294, 16196..16303, 16197..16301, 16198..16302, 16494..16583, 16495..16581,		

16614..16691

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	12874	End	16553
GI	none	Score	780
Exons	12874..13386, 12876..13400, 14298..14441, 14299..14442, 14299..14442, 14520..14657, 14522..14683, 14527..14682, 14534..14704, 14992..15132, 15001..15135, 15006..15146, 15198..15368, 15200..15391, 15201..15368, 15227..15370, 15984..16127, 15985..16113, 16196..16243, 16197..16244, 16247..16297, 16248..16301, 16491..16544, 16493..16552, 16494..16553		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	12876	End	16574
GI	none	Score	773
Exons	12876..13400, 12877..13386, 14245..14286, 14298..14453, 14299..14454, 14302..14454, 14520..14669, 14522..14683, 14527..14673, 14989..15132, 15001..15135, 15006..15146, 15198..15362, 15200..15412, 15201..15368, 15459..15530, 15984..16112, 15985..16113, 16197..16298, 16205..16297, 16491..16574, 16493..16567		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o1.tw	Method	TBLASTX:Wheat
Start	13048	End	13335
GI	none	Score	364
Exons	13048..13335, 13048..13335		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o3.tw	Method	TBLASTX:Wheat
Start	13336	End	14680
GI	none	Score	82
Exons	13336..13386, 13338..13388, 14298..14462, 14299..14442, 14522..14680, 14527..14664		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o4.tw	Method	TBLASTX:Wheat
Start	15278	End	16541
GI	none	Score	83
Exons	15278..15349, 15279..15389, 15984..16115, 15985..16128, 16197..16256, 16494..16541		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-

Start	32439	End	36920
Name	OJ000303_01.0403.C7.o3.tm	Method	TBLASTX:Maize
Start	17416	End	19605
GI	none	Score	53
Exons	17416..17469, 17432..17467, 17535..17708, 17536..17703, 17541..17705, 17874..17945, 18090..18134, 18186..18311, 18222..18314, 18235..18312, 18381..18455, 18391..18456, 18409..18477, 18510..18641, 18553..18651, 18554..18652, 18556..18654, 18724..18825, 18729..18872, 18729..18878, 18730..18879, 18731..18880, 19518..19604, 19522..19605		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o3.ts	Method	TBLASTX:Soybean
Start	18536	End	19605
GI	none	Score	100
Exons	18536..18661, 18550..18651, 18720..18872, 18720..18878, 18733..18882, 19518..19604, 19519..19605		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o6.tc	Method	TBLASTX:Cress
Start	18598	End	19785
GI	none	Score	64
Exons	18598..18651, 18599..18682, 18720..18878, 18721..18900, 19518..19604, 19519..19605, 19732..19785		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o5.tw	Method	TBLASTX:Wheat
Start	18789	End	30798
GI	none	Score	109
Exons	18789..18872, 18789..18878, 18790..18882, 19518..19604, 19519..19602, 19730..19774, 19732..19794, 19732..19788, 19957..19986, 30658..30693, 30721..30798		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o7.tm	Method	TBLASTX:Maize
Start	29766	End	30464
GI	none	Score	77
Exons	29766..29963, 29772..29963, 29787..29954, 29841..29978, 30063..30248, 30063..30257, 30066..30257, 30196..30258, 30273..30464, 30273..30395, 30276..30464, 30276..30431, 30279..30431		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o5.tc	Method	TBLASTX:Cress
Start	29772	End	30470
GI	none	Score	106
Exons	29772..29963, 29772..29981, 29772..29972, 29772..29972,		

29772..29954, 29772..29972, 29853..30017, 30063..30248,
30066..30269, 30066..30248, 30066..30260, 30069..30263,
30138..30245, 30237..30431, 30273..30461, 30276..30470,
30276..30431, 30276..30458, 30276..30461, 30276..30458,
30276..30458, 30276..30461

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o6.ts	Method	TBLASTX:Soybean
Start	29772	End	30461
GI	none	Score	68

Exons 29772..29963, 29853..29981, 30058..30237, 30066..30260,
30069..30263, 30237..30431, 30271..30432, 30273..30458,
30273..30404, 30276..30461, 30276..30461, 30276..30461,
30276..30458, 30276..30458

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o3.tc	Method	TBLASTX:Cress
Start	30489	End	30875
GI	none	Score	256

Exons 30489..30812, 30490..30801, 30801..30875

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o8.gs	Method	GENSCAN
Start	32439	End	34361
GI	none	Score	.89

Exons 32439..32560, 33547..34069, 34131..34361

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o4.np	Method	AAT/NAP
Start	33484	End	36451
GI	7106508	Score	688

Exons 33484..33575, 33619..33847, 34173..34390, 34449..34730,
36401..36451

GI Descrip. (AP001278) hypothetical protein [Oryza sativa]

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o9.gs	Method	GENSCAN
Start	35389	End	36808
GI	none	Score	.87

Exons 35389..35817, 35926..36019, 36114..36808

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o5.np	Method	AAT/NAP
Start	35402	End	36920
GI	7486965	Score	1236

Exons	35402..35817, 35926..36083, 36125..36763, 36794..36920
GI Descrip.	hypothetical protein T13J8.80 - Arabidopsis thaliana gi|4455356|emb|CAB36766.1| (AL035524) putative protein [Arabidopsis thaliana] gi|7269651|emb|CAB79599.1| (AL161572) putative protein [Arabidopsis thaliana]

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	35551	End	36049
GI	none	Score	277
Exons	35551..35817, 35552..35818, 35926..36048, 35972..36049		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o2.tw	Method	TBLASTX:Wheat
Start	35677	End	36142
GI	none	Score	49
Exons	35677..35766, 35684..35767, 35752..35814, 35768..35815, 35923..36084, 35972..36049, 36066..36119, 36119..36142, 36120..36140		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o2.tc	Method	TBLASTX:Cress
Start	35926	End	36296
GI	none	Score	92
Exons	35926..36066, 35972..36049, 36066..36119, 36119..36295, 36123..36296		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o4.ts	Method	TBLASTX:Soybean
Start	35926	End	36176
GI	none	Score	90
Exons	35926..36063, 35972..36049, 36066..36119, 36119..36175, 36120..36176		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o4.tm	Method	TBLASTX:Maize
Start	36049	End	36386
GI	none	Score	50
Exons	36049..36114, 36051..36119, 36052..36114, 36119..36385, 36129..36386		

Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o5.ts	Method	TBLASTX:Soybean
Start	36329	End	36571
GI	none	Score	143

Exons	36329..36571, 36342..36563		
Seq. No.	42276	Seq. ID	OJ000303_01.0403.C7
Gene No.	87974	Strand	-
Start	32439	End	36920
Name	OJ000303_01.0403.C7.o5.tm	Method	TBLASTX:Maize
Start	36491	End	36871
GI	none	Score	191
Exons	36491..36772, 36492..36656, 36782..36871		
Seq. No.	42277	Seq. ID	OJ000303_01.0403.C8
Gene No.	87975	Strand	+
Start	61	End	783
Name	OJ000303_01.0403.C8.o1.gs	Method	GENSCAN
Start	61	End	783
GI	none	Score	.86
Exons	61..255, 547..659, 685..783		
Seq. No.	42277	Seq. ID	OJ000303_01.0403.C8
Gene No.	87976	Strand	+
Start	11399	End	11590
Name	OJ000303_01.0403.C8.o1.gp	Method	AAT/GAP
Start	11399	End	11590
GI	none	Score	331
Exons	11399..11590		
Seq. No.	42277	Seq. ID	OJ000303_01.0403.C8
Gene No.	87977	Strand	+
Start	17223	End	17317
Name	OJ000303_01.0403.C8.o2.gp	Method	AAT/GAP
Start	17223	End	17317
GI	LIB3477-003-P1-K1-E9	Score	84
Exons	17223..17317		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	42277	Seq. ID	OJ000303_01.0403.C8
Gene No.	87978	Strand	-
Start	1491	End	4500
Name	OJ000303_01.0403.C8.o2.gs	Method	GENSCAN
Start	1491	End	4500
GI	none	Score	.7
Exons	1491..1571, 1768..1838, 2269..2471, 4439..4500		
Seq. No.	42277	Seq. ID	OJ000303_01.0403.C8
Gene No.	87979	Strand	-
Start	8466	End	9846
Name	OJ000303_01.0403.C8.o1.np	Method	AAT/NAP
Start	8466	End	9846
GI	5922615	Score	68
Exons	8466..8603, 9236..9265, 9775..9846		
GI Descrip.	(AP000492) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016848|dbj|BAA85191.1| (AP000570) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42278	Seq. ID	OJ000303_01.0403.C9
Gene No.	87980	Strand	+
Start	141	End	664
Name	OJ000303_01.0403.C9.o1.gs	Method	GENSCAN
Start	141	End	664
GI	none	Score	.59
Exons	141..150, 441..664		

Seq. No.	42278	Seq. ID	OJ000303_01.0403.C9
Gene No.	87981	Strand	-
Start	2291	End	2389
Name	OJ000303_01.0403.C9.o2.gs	Method	GENSCAN
Start	2291	End	2389
GI	none	Score	.46
Exons	2291..2389		

Seq. No.	42279	Seq. ID	OJ000303_01.0403.C10
Gene No.	87982	Strand	-
Start	777	End	1501
Name	OJ000303_01.0403.C10.o1.np	Method	AAT/NAP
Start	196	End	1501
GI	6815099	Score	83
Exons	196..313, 1362..1501		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42279	Seq. ID	OJ000303_01.0403.C10
Gene No.	87982	Strand	-
Start	777	End	1501
Name	OJ000303_01.0403.C10.o1.gs	Method	GENSCAN
Start	777	End	938
GI	none	Score	.87
Exons	777..938		

Seq. No.	42279	Seq. ID	OJ000303_01.0403.C10
Gene No.	87983	Strand	-
Start	3697	End	8507
Name	OJ000303_01.0403.C10.o2.np	Method	AAT/NAP
Start	3697	End	8507
GI	5734621	Score	133
Exons	3697..3759, 6234..6438, 8453..8507		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o1.np	Method	AAT/NAP
Start	1	End	3927
GI	7487959	Score	1267
Exons	1..457, 1709..1746, 1824..2323, 2401..2478, 2564..3139, 3230..3365, 3460..3522, 3679..3927		
GI Descrip.	MSP1 protein homolog T13J8.110 - Arabidopsis thaliana gi|4455359|emb|CAB36769.1| (AL035524) putative protein [Arabidopsis thaliana] gi|7269654|emb|CAB79602.1| (AL161572) putative protein [Arabidopsis thaliana]		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o1.gs	Method	GENSCAN
Start	124	End	3736
GI	none	Score	.92
Exons	124..245, 343..431, 523..558, 978..1077, 1234..1276, 1355..1449, 1747..2323, 2401..2482, 2574..2733, 2815..3139, 3230..3365, 3460..3522, 3652..3736		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o2.tm	Method	TBLASTX:Maize
Start	1704	End	2102
GI	none	Score	62
Exons	1704..1751, 1705..1749, 1815..2102, 1821..1964, 1826..2101		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o1.gp	Method	AAT/GAP
Start	1716	End	2665
GI	4714811	Score	1290
Exons	1716..1746, 1824..2323, 2401..2483, 2574..2665		
GI Descrip.	4455359/emb|CAB36769.1| 5.0e-29 (AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o1.ts	Method	TBLASTX:Soybean
Start	2022	End	3522
GI	none	Score	60
Exons	2022..2204, 2573..2668, 2574..2744, 2643..2729, 2724..2765, 2730..3131, 2832..3140, 2834..3139, 3264..3365, 3454..3522		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o1.tw	Method	TBLASTX:Wheat
Start	2022	End	2912
GI	none	Score	82
Exons	2022..2204, 2573..2668, 2574..2744, 2616..2729, 2724..2765, 2831..2902, 2832..2912		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	2136	End	3537
GI	none	Score	64
Exons	2136..2192, 2192..2323, 2205..2330, 2398..2433, 2399..2437, 2571..3140, 2572..2763, 2577..2765, 2832..3140, 2863..3141, 3227..3304, 3228..3305, 3282..3365, 3299..3361, 3303..3365, 3454..3537		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o1.tc	Method	TBLASTX:Cress
Start	2229	End	3119
GI	none	Score	59
Exons	2229..2330, 2573..2662, 2574..2744, 2622..2729, 2832..3077, 2834..3076, 3090..3119		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o2.tw	Method	TBLASTX:Wheat
Start	2948	End	3522
GI	none	Score	237
Exons	2948..3139, 2949..3140, 3282..3365, 3308..3364, 3454..3522		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o2.gp	Method	AAT/GAP
Start	3061	End	3752
GI	15790_1.R1084	Score	668
Exons	3061..3139, 3230..3365, 3460..3522, 3652..3752		
GI Descrip.	'4455359/emb|CAB36769.1| 9.0e-42 (AL035524) putative protein [Arabidopsis thaliana]'		

Seq. No.	42280	Seq. ID	OJ000303_01.0403.C11
Gene No.	87984	Strand	+
Start	1	End	3927
Name	OJ000303_01.0403.C11.o2.tc	Method	TBLASTX:Cress
Start	3078	End	3537
GI	none	Score	37
Exons	3078..3140, 3221..3361, 3228..3365, 3229..3369, 3454..3537		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87985	Strand	+
Start	607	End	6764
Name	OJ000303_02.0403.C7.o1.gs	Method	GENSCAN
Start	607	End	6764
GI	none	Score	.74
Exons	607..741, 1793..1919, 3610..3695, 3800..4138, 4144..4210, 4633..4792, 4890..4914, 4985..5178, 5421..5749, 5880..5953, 6263..6556, 6690..6764		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87986	Strand	+
Start	9825	End	17267
Name	OJ000303_02.0403.C7.o3.gs	Method	GENSCAN
Start	9825	End	17267
GI	none	Score	.56
Exons	9825..10060, 10665..10877, 11698..11770, 12095..12142, 12191..12268, 13364..13435, 13531..13686, 13821..13924, 14670..14722, 15006..15125, 17158..17267		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7

Gene No.	87986	Strand	+
Start	9825	End	17267
Name	OJ000303_02.0403.C7.o4.np	Method	AAT/NAP
Start	10762	End	15256
GI	6069646	Score	515
Exons	10762..10785, 14570..15256		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87986	Strand	+
Start	9825	End	17267
Name	OJ000303_02.0403.C7.o3.np	Method	AAT/NAP
Start	11698	End	14115
GI	466172	Score	800
Exons	11698..11770, 12095..12142, 12221..12268, 13364..13435, 13531..13686, 13821..13924, 14022..14115		
GI Descrip.	GTP-BINDING PROTEIN YPTM2 gi|283056|pir||B38202 GTP-binding protein - maize gi|287835|emb|CAA44919.1| (X63278) yptm2 [Zea mays]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87986	Strand	+
Start	9825	End	17267
Name	OJ000303_02.0403.C7.o3.gp	Method	AAT/GAP
Start	13282	End	14355
GI	20626_1.R1084	Score	1345
Exons	13282..13435, 13531..13686, 13821..13924, 14022..14355		
GI Descrip.	'466172/sp|Q05737|YPT2_MAIZE 4.0e-71 GTP-BINDING PROTEIN YPTM2 >gi_283056_pir__B38202 ypt family - maize >gi_287835_emb_CAA44919_ (X63278) yptm2 [Zea mays]'		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87987	Strand	+
Start	20299	End	21988
Name	OJ000303_02.0403.C7.o4.gs	Method	GENSCAN
Start	20299	End	21873
GI	none	Score	.9
Exons	20299..21873		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87987	Strand	+
Start	20299	End	21988
Name	OJ000303_02.0403.C7.o5.np	Method	AAT/NAP
Start	20416	End	21864
GI	2149127	Score	729
Exons	20416..20604, 20632..21246, 21304..21864		
GI Descrip.	(U81293) UDP-glucose:indole-3-acetate beta-D-glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87987	Strand	+
Start	20299	End	21988
Name	OJ000303_02.0403.C7.o5.gp	Method	AAT/GAP

Start	21302	End	21988
GI	87587_1.R1084	Score	1293
Exons	21302..21988		
GI Descrip.	'2501499/sp|Q41819|IAAG_MAIZE 7.0e-27 INDOLE-3-ACETATE BETA-GLUCOSYLTRANSFERASE (IAA-GLU SYNTHETASE) ((URIDINE 5''-DIPHOSPHATE-GLUCOSE:INDOL-3-YLACETYL)-BETA-D-GLUCOSYL TRANSFERASE) >gi_626043_pir__A54739 indole-3-acetate beta-glucosyltransferase (EC 2.4.1.121) - maize >gi_548195 (L34847) IAA-glu synthetase [Zea mays]'		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87988	Strand	+
Start	48844	End	49427
Name	OJ000303_02.0403.C7.o7.gp	Method	AAT/GAP
Start	48844	End	49427
GI	23721_1.R1084	Score	1072
Exons	48844..49427		
GI Descrip.	'1732362/gb|U80270|MDU80270 8.0e-13 Malus domestica pAFD103 mRNA, partial cds'		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87989	Strand	+
Start	50977	End	51574
Name	OJ000303_02.0403.C7.o9.gp	Method	AAT/GAP
Start	50977	End	51574
GI	none	Score	837
Exons	50977..51042, 51193..51574		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87990	Strand	+
Start	63057	End	64385
Name	OJ000303_02.0403.C7.o9.gs	Method	GENSCAN
Start	63057	End	64370
GI	none	Score	.99
Exons	63057..64370		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87990	Strand	+
Start	63057	End	64385
Name	OJ000303_02.0403.C7.o10.np	Method	AAT/NAP
Start	63063	End	64385
GI	6899926	Score	682
Exons	63063..63213, 63247..64385		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87991	Strand	+
Start	80410	End	80750
Name	OJ000303_02.0403.C7.o14.gp	Method	AAT/GAP
Start	80410	End	80750
GI	none	Score	632
Exons	80410..80750		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87992	Strand	-
Start	7130	End	7872
Name	OJ000303_02.0403.C7.o1.gp	Method	AAT/GAP

Start	7130	End	7872
GI	none	Score	1359
Exons	7130..7872		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87993	Strand	-
Start	20393	End	21071
Name	OJ000303_02.0403.C7.o4.gp	Method	AAT/GAP
Start	20393	End	21071
GI	29988_1.R1084	Score	934
Exons	20393..20952, 21043..21071		
GI Descrip.	'2149127 1.0e-12 (U81293) UDP-glucose:indole-3-acetate beta-D-glucosyltransferase [Arabidopsis thaliana]'		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87994	Strand	-
Start	25232	End	47692
Name	OJ000303_02.0403.C7.o5.gs	Method	GENSCAN
Start	25232	End	47692
GI	none	Score	.83
Exons	25232..25704, 25877..26120, 26803..28452, 29552..31700, 31974..32108, 32146..32266, 33346..33427, 33546..33718, 34733..34874, 34980..35252, 35502..35693, 35800..36038, 36264..36496, 36754..37034, 37262..38083, 38429..38560, 38713..38778, 38879..39154, 40034..40156, 40360..40419, 41283..41808, 41903..42060, 42727..42810, 42908..43135, 43775..43837, 43933..44073, 44827..44931, 45345..45543, 45864..47692		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87994	Strand	-
Start	25232	End	47692
Name	OJ000303_02.0403.C7.o6.np	Method	AAT/NAP
Start	26803	End	32807
GI	7486409	Score	876
Exons	26803..27947, 28047..28431, 29564..31014, 32261..32407, 32765..32807		
GI Descrip.	hypothetical protein F4D11.180 - Arabidopsis thaliana gi|3063708|emb|CAA18599.1| (AL022537) putative protein [Arabidopsis thaliana] gi|7270166|emb|CAB79979.1| (AL161581) putative protein [Arabidopsis thaliana]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87994	Strand	-
Start	25232	End	47692
Name	OJ000303_02.0403.C7.o7.np	Method	AAT/NAP
Start	34731	End	47689
GI	4874314	Score	5324
Exons	34731..34874, 34980..35252, 35502..35693, 35800..36045, 36250..36488, 36776..37034, 37262..38083, 38429..38560, 38713..38778, 38879..39187, 40034..40156, 40360..40419, 40543..40713, 41283..41808, 41903..42060, 42727..42810, 42908..43135, 43775..43837, 43933..44073, 44827..44931, 45345..45543, 45864..47689		
GI Descrip.	(AC006053) unknown protein [Arabidopsis thaliana]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7

Gene No.	87994	Strand	-
Start	25232	End	47692
Name	OJ000303_02.0403.C7.o6.gp	Method	AAT/GAP
Start	37872	End	38778
GI	LIB3477-005-P1-K1-A6	Score	709
Exons	37872..38083, 38429..38560, 38713..38778		
GI Descrip.	'4874314/gb|AAD31376.1|AC006053_18 2.0e-40 (AC006053) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87995	Strand	-
Start	49075	End	51309
Name	OJ000303_02.0403.C7.o6.gs	Method	GENSCAN
Start	49075	End	51309
GI	none	Score	.74
Exons	49075..49421, 49576..49834, 50556..50589, 50756..51309		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87995	Strand	-
Start	49075	End	51309
Name	OJ000303_02.0403.C7.o8.np	Method	AAT/NAP
Start	49078	End	51309
GI	4874305	Score	602
Exons	49078..49424, 49576..49819, 50941..51153, 51190..51309		
GI Descrip.	(AC006053) unknown protein [Arabidopsis thaliana]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87996	Strand	-
Start	52979	End	56978
Name	OJ000303_02.0403.C7.o7.gs	Method	GENSCAN
Start	52979	End	56857
GI	none	Score	.95
Exons	52979..53138, 53675..53872, 54200..54369, 54451..54701, 56602..56857		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87996	Strand	-
Start	52979	End	56978
Name	OJ000303_02.0403.C7.o9.np	Method	AAT/NAP
Start	52982	End	56839
GI	2981439	Score	560
Exons	52982..53138, 53675..53868, 54172..54369, 54451..54701, 56602..56698, 56726..56839		
GI Descrip.	(AF051853) t-SNARE SED5 [Arabidopsis thaliana]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87996	Strand	-
Start	52979	End	56978
Name	OJ000303_02.0403.C7.o10.gp	Method	AAT/GAP
Start	54623	End	56978
GI	LIB3432-003-P1-K1-E6	Score	869
Exons	54623..54701, 56602..56978		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87997	Strand	-

Start	57883	End	58609
Name	OJ000303_02.0403.C7.o8.gs	Method	GENSCAN
Start	57883	End	58609
GI	none	Score	.7
Exons	57883..57951, 58153..58378, 58548..58609		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87998	Strand	-
Start	64565	End	72824
Name	OJ000303_02.0403.C7.o11.np	Method	AAT/NAP
Start	64565	End	71897
GI	6606266	Score	895
Exons	64565..64644, 66728..66919, 67169..67388, 67443..67713, 67810..68655, 68689..68807, 68871..69994, 71818..71897		
GI Descrip.	(AF158634) Vrga1 [Triticum ventricosum]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87998	Strand	-
Start	64565	End	72824
Name	OJ000303_02.0403.C7.o10.gs	Method	GENSCAN
Start	66340	End	72824
GI	none	Score	.45
Exons	66340..66533, 66704..67652, 67709..70146, 71065..71440, 72207..72296, 72324..72447, 72519..72611, 72721..72824		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87998	Strand	-
Start	64565	End	72824
Name	OJ000303_02.0403.C7.o12.np	Method	AAT/NAP
Start	66748	End	71443
GI	7489454	Score	752
Exons	66748..66919, 66998..67141, 67169..67400, 67621..67929, 67966..68697, 68730..70116, 70734..71443		
GI Descrip.	bacterial blight-resistance protein Xa1 - rice gi|2943742|dbj|BAA25068.1| (AB002266) XA1 [Oryza sativa]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87998	Strand	-
Start	64565	End	72824
Name	OJ000303_02.0403.C7.o11.gp	Method	AAT/GAP
Start	72061	End	72696
GI	2311839	Score	804
Exons	72061..72226, 72324..72434, 72519..72696		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	87999	Strand	-
Start	72941	End	76482
Name	OJ000303_02.0403.C7.o11.gs	Method	GENSCAN
Start	72941	End	76482
GI	none	Score	.89
Exons	72941..73083, 73204..73292, 73485..73595, 75585..75916, 76342..76482		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o18.tm	Method	TBLASTX:Maize

Start	5596	End	6117
GI	none	Score	192
Exons	5596..5751, 5597..5752, 5859..5951, 5873..5953, 5877..5948, 5879..5953, 6049..6117		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o4.tm	Method	TBLASTX:Maize
Start	11698	End	14376
GI	none	Score	126
Exons	11698..11769, 11699..11767, 11722..11772, 12095..12145, 12109..12141, 12221..12268, 12223..12267, 13294..13476, 13364..13438, 13530..13682, 13531..13701, 13532..13696, 13816..13938, 13818..13925, 13819..13926, 14010..14117, 14020..14100, 14020..14133, 14218..14256, 14275..14376		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	11699	End	14120
GI	none	Score	121
Exons	11699..11770, 11722..11772, 12094..12159, 12097..12135, 12221..12268, 12223..12267, 13294..13476, 13364..13438, 13522..13686, 13523..13687, 13524..13688, 13524..13700, 13531..13701, 13811..13924, 13818..13925, 13998..14036, 14044..14097, 14049..14120		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o3.tw	Method	TBLASTX:Wheat
Start	11699	End	13676
GI	none	Score	121
Exons	11699..11770, 11722..11772, 12094..12159, 12097..12141, 12221..12268, 12223..12261, 13294..13476, 13364..13438, 13530..13676, 13531..13671, 13533..13676		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	13409	End	14114
GI	none	Score	58
Exons	13409..13444, 13531..13701, 13537..13686, 13539..13700, 13811..13924, 13818..13925, 14019..14039, 14020..14058, 14041..14100, 14049..14114		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o6.tw	Method	TBLASTX:Wheat
Start	13806	End	14162
GI	none	Score	138
Exons	13806..13925, 13818..13925, 13819..13926, 13992..14114, 14020..14097, 14021..14125, 14109..14162		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o2.tc	Method	TBLASTX:Cress
Start	20452	End	21684
GI	none	Score	79
Exons	20452..20571, 20644..20706, 20698..20916, 21055..21171, 21190..21216, 21304..21444, 21505..21684, 21543..21665		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o13.tm	Method	TBLASTX:Maize
Start	20643	End	20939
GI	none	Score	340
Exons	20643..20939, 20644..20928		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o5.ts	Method	TBLASTX:Soybean
Start	21118	End	21696
GI	none	Score	61
Exons	21118..21282, 21295..21453, 21306..21452, 21505..21696, 21534..21620		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o5.tw	Method	TBLASTX:Wheat
Start	21313	End	21648
GI	none	Score	144
Exons	21313..21447, 21318..21443, 21340..21447, 21488..21508, 21505..21648, 21531..21635		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o15.tm	Method	TBLASTX:Maize
Start	21318	End	21617
GI	none	Score	155
Exons	21318..21455, 21319..21459, 21340..21456, 21473..21526, 21505..21615, 21531..21617		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o5.tm	Method	TBLASTX:Maize
Start	25460	End	26136
GI	none	Score	166
Exons	25460..25642, 25463..25639, 25480..25647, 25644..25787, 25646..25792, 25881..25913, 25882..25914, 25905..25967, 25915..25965, 25923..25970, 25977..26030, 25978..26025, 26019..26129, 26033..26128, 26035..26136, 26035..26136		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7

Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o10.tm	Method	TBLASTX:Maize
Start	26803	End	27192
GI	none	Score	243
Exons	26803..27000, 26803..27000, 26805..27017, 26965..27192, 27006..27191, 27022..27192		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	27004	End	27379
GI	none	Score	87
Exons	27004..27174, 27034..27174, 27141..27362, 27157..27366, 27179..27361, 27188..27379		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o7.tm	Method	TBLASTX:Maize
Start	27217	End	27546
GI	none	Score	410
Exons	27217..27546, 27218..27517		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o16.tm	Method	TBLASTX:Maize
Start	27549	End	27827
GI	none	Score	37
Exons	27549..27569, 27558..27650, 27560..27808, 27562..27807, 27708..27827		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o12.ts	Method	TBLASTX:Soybean
Start	30533	End	30826
GI	none	Score	107
Exons	30533..30769, 30554..30826		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o7.tc	Method	TBLASTX:Cress
Start	34716	End	35043
GI	none	Score	82
Exons	34716..34826, 34738..34812, 34824..34880, 34827..34880, 34828..34881, 34980..35042, 34981..35043		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o12.tm	Method	TBLASTX:Maize
Start	34725	End	35087
GI	none	Score	159

Exons	34725..34856, 34725..34862, 34726..34857, 34975..35082, 34980..35081, 34980..35087, 34981..35085		
Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	35088	End	36382
GI	none	Score	217
Exons	35088..35255, 35088..35252, 35436..35705, 35483..35599, 35487..35696, 35503..35712, 35788..36033, 35789..36031, 35798..36034, 35800..36039, 36265..36381, 36275..36382		
Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o3.tc	Method	TBLASTX:Cress
Start	35640	End	36039
GI	none	Score	44
Exons	35640..35705, 35641..35712, 35788..36039, 35790..35990, 35798..36010		
Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o6.ts	Method	TBLASTX:Soybean
Start	35800	End	36042
GI	none	Score	187
Exons	35800..36042, 35804..36010, 35850..36023		
Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o3.tm	Method	TBLASTX:Maize
Start	36394	End	37696
GI	none	Score	156
Exons	36394..36507, 36395..36499, 36754..37035, 36754..36909, 36756..37037, 36756..37037, 36998..37090, 37244..37696, 37259..37684, 37261..37695		
Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o11.ts	Method	TBLASTX:Soybean
Start	36876	End	37502
GI	none	Score	133
Exons	36876..37037, 36877..37035, 37229..37489, 37259..37492, 37275..37502, 37287..37496		
Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o14.tm	Method	TBLASTX:Maize
Start	37802	End	38054
GI	none	Score	191
Exons	37802..38047, 37803..37964, 37804..38052, 38010..38054		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o4.ts	Method	TBLASTX:Soybean
Start	37868	End	38533
GI	none	Score	138
Exons	37868..38083, 37869..38084, 37899..38084, 38424..38507, 38429..38533, 38433..38510, 38449..38532		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o10.ts	Method	TBLASTX:Soybean
Start	41286	End	41616
GI	none	Score	49
Exons	41286..41381, 41319..41381, 41439..41609, 41439..41615, 41461..41616		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o19.tm	Method	TBLASTX:Maize
Start	48882	End	51276
GI	none	Score	79
Exons	48882..48941, 48895..48942, 48943..48993, 48952..49002, 48988..49299, 48993..49133, 49178..49312, 49229..49249, 49242..49301, 49384..49422, 49391..49426, 49585..49689, 49585..49647, 49587..49691, 49679..49768, 49712..49837, 49720..49827, 49758..49841, 50995..51111, 50996..51112, 51226..51276		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o13.ts	Method	TBLASTX:Soybean
Start	48885	End	49310
GI	none	Score	73
Exons	48885..48941, 48895..48942, 48943..48993, 48952..49002, 48988..49299, 48993..49133, 49178..49309, 49197..49310, 49229..49249, 49242..49301		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o17.tm	Method	TBLASTX:Maize
Start	52805	End	53733
GI	none	Score	67
Exons	52805..52858, 52805..52861, 52874..52900, 52875..52916, 52958..53140, 52959..53144, 53671..53733, 53677..53733		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o15.ts	Method	TBLASTX:Soybean
Start	52942	End	53150
GI	none	Score	70
Exons	52942..53136, 52977..53150, 52979..53140, 52992..53141		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o5.tc	Method	TBLASTX:Cress
Start	52979	End	56692
GI	none	Score	70
Exons	52979..53140, 52983..53072, 52985..53140, 53094..53144, 53671..53874, 53675..53776, 54223..54273, 54334..54387, 54451..54711, 54461..54700, 56603..56692		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o6.tm	Method	TBLASTX:Maize
Start	53734	End	56863
GI	none	Score	84
Exons	53734..53817, 53736..53807, 53797..53874, 53834..53881, 54180..54374, 54191..54370, 54193..54387, 54451..54711, 54452..54700, 55915..55974, 55931..56002, 55932..56003, 56603..56689, 56603..56695, 56607..56696, 56804..56863, 56805..56861		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o3.ts	Method	TBLASTX:Soybean
Start	54457	End	56845
GI	none	Score	258
Exons	54457..54711, 54458..54700, 56603..56695, 56604..56681, 56606..56695, 56804..56845, 56805..56831		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o4.tw	Method	TBLASTX:Wheat
Start	63047	End	63332
GI	none	Score	227
Exons	63047..63238, 63060..63239, 63233..63331, 63243..63332		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o9.tm	Method	TBLASTX:Maize
Start	63063	End	63674
GI	none	Score	115
Exons	63063..63218, 63236..63325, 63258..63314, 63330..63455, 63347..63424, 63506..63670, 63507..63674		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o16.ts	Method	TBLASTX:Soybean
Start	63258	End	63614
GI	none	Score	153
Exons	63258..63425, 63266..63403, 63506..63586, 63507..63614		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	63737	End	64367
GI	none	Score	56
Exons	63737..63775, 63738..63773, 63830..63895, 63831..63896, 63869..64108, 63882..64109, 64112..64342, 64116..64367		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o2.tw	Method	TBLASTX:Wheat
Start	63813	End	64049
GI	none	Score	336
Exons	63813..63899, 63827..64048, 63831..64049		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o1.tw	Method	TBLASTX:Wheat
Start	64070	End	64301
GI	none	Score	378
Exons	64070..64300, 64071..64301		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o23.tm	Method	TBLASTX:Maize
Start	67964	End	68332
GI	none	Score	130
Exons	67964..68134, 68132..68332		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o7.ts	Method	TBLASTX:Soybean
Start	68135	End	69361
GI	none	Score	67
Exons	68135..68374, 68405..68659, 68996..69361, 69080..69211, 69087..69359		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o22.tm	Method	TBLASTX:Maize
Start	69083	End	69397
GI	none	Score	127
Exons	69083..69397, 69087..69371		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o12.gs	Method	GENSCAN
Start	77638	End	82711
GI	none	Score	.43
Exons	77638..77798, 78369..78533, 78978..79271, 79806..79949,		

81075..81123, 81200..81476, 81562..81687, 82065..82711

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o13.gp	Method	AAT/GAP
Start	78839	End	78922
GI	none	Score	113
Exons	78839..78922		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o4.tc	Method	TBLASTX:Cress
Start	78923	End	79239
GI	none	Score	160
Exons	78923..79237, 78949..79239		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o9.ts	Method	TBLASTX:Soybean
Start	78932	End	79239
GI	none	Score	164
Exons	78932..79237, 78949..79239		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o13.np	Method	AAT/NAP
Start	78948	End	79311
GI	6561657	Score	431
Exons	78948..79311		
GI Descrip.	(AF197669) ATPase alpha subunit [Aristolochia macrophylla]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o21.tm	Method	TBLASTX:Maize
Start	79061	End	79251
GI	none	Score	175
Exons	79061..79240, 79063..79251		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o14.np	Method	AAT/NAP
Start	79581	End	82714
GI	7486412	Score	794
Exons	79581..79635, 80848..81074, 81200..81476, 81562..81687, 82065..82714		
GI Descrip.	hypothetical protein F4D11.200 - Arabidopsis thaliana gi|3063710|emb|CAA18601.1| (AL022537) putative protein [Arabidopsis thaliana] gi|7270164|emb|CAB79977.1| (AL161581) putative protein [Arabidopsis thaliana]		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7

Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o20.tm	Method	TBLASTX:Maize
Start	80931	End	81075
GI	none	Score	138
Exons	80931..81074, 80932..81075		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o14.ts	Method	TBLASTX:Soybean
Start	80941	End	81283
GI	none	Score	115
Exons	80941..81096, 80946..81074, 81197..81283		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o8.tm	Method	TBLASTX:Maize
Start	81226	End	81680
GI	none	Score	190
Exons	81226..81363, 81227..81487, 81288..81479, 81558..81665, 81559..81666, 81559..81666, 81561..81680		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o6.tc	Method	TBLASTX:Cress
Start	81356	End	81689
GI	none	Score	128
Exons	81356..81487, 81357..81479, 81528..81689, 81559..81675		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o11.tm	Method	TBLASTX:Maize
Start	82192	End	82736
GI	none	Score	141
Exons	82192..82401, 82193..82438, 82217..82402, 82254..82406, 82427..82492, 82429..82494, 82431..82508, 82498..82593, 82644..82736		

Seq. No.	42281	Seq. ID	OJ000303_02.0403.C7
Gene No.	88000	Strand	-
Start	77638	End	82736
Name	OJ000303_02.0403.C7.o8.ts	Method	TBLASTX:Soybean
Start	82223	End	82466
GI	none	Score	66
Exons	82223..82465, 82234..82410, 82235..82456, 82254..82466		

Seq. No.	42282	Seq. ID	OJ000303_02.0403.C8
Gene No.	88001	Strand	-
Start	7160	End	7975
Name	OJ000303_02.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	6	End	826
GI	none	Score	106
Exons	6..89, 70..135, 138..272, 272..826, 501..743		

Seq. No.	42282	Seq. ID	OJ000303_02.0403.C8
Gene No.	88001	Strand	-
Start	7160	End	7975
Name	OJ000303_02.0403.C8.o1.tw	Method	TBLASTX:Wheat
Start	460	End	778
GI	none	Score	126
Exons	460..513, 476..778, 477..740		

Seq. No.	42282	Seq. ID	OJ000303_02.0403.C8
Gene No.	88001	Strand	-
Start	7160	End	7975
Name	OJ000303_02.0403.C8.o2.np	Method	AAT/NAP
Start	7160	End	7975
GI	5042418	Score	336
Exons	7160..7975		
GI Descrip.	(AC006193) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	42283	Seq. ID	OJ000303_02.0403.C9
Gene No.	88002	Strand	+
Start	10	End	381
Name	OJ000303_02.0403.C9.o1.gs	Method	GENSCAN
Start	10	End	381
GI	none	Score	.97
Exons	10..381		

Seq. No.	42283	Seq. ID	OJ000303_02.0403.C9
Gene No.	88003	Strand	+
Start	5237	End	7581
Name	OJ000303_02.0403.C9.o1.np	Method	AAT/NAP
Start	5237	End	7218
GI	5139697	Score	303
Exons	5237..5516, 5633..5856, 5915..6009, 7122..7218		
GI Descrip.	(AB029148) expressed in cucumber hypocotyls [Cucumis sativus]		

Seq. No.	42283	Seq. ID	OJ000303_02.0403.C9
Gene No.	88003	Strand	+
Start	5237	End	7581
Name	OJ000303_02.0403.C9.o1.gp	Method	AAT/GAP
Start	6904	End	7581
GI	none	Score	1063
Exons	6904..7183, 7301..7581		

Seq. No.	42283	Seq. ID	OJ000303_02.0403.C9
Gene No.	88004	Strand	-
Start	7314	End	8276
Name	OJ000303_02.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	5289	End	7328
GI	none	Score	72
Exons	5289..5402, 5388..5411, 5631..5687, 5645..5689, 5684..5812, 5685..5810, 5896..6009, 5897..6010, 7116..7181, 7120..7182, 7122..7181, 7302..7328		

Seq. No.	42283	Seq. ID	OJ000303_02.0403.C9
Gene No.	88004	Strand	-
Start	7314	End	8276
Name	OJ000303_02.0403.C9.o1.tc	Method	TBLASTX:Cress

Start	5631	End	7182
GI	none	Score	81
Exons	5631..5690, 5645..5677, 5681..5743, 5685..5801, 5909..6007, 7123..7182		

Seq. No.	42283	Seq. ID	OJ000303_02.0403.C9
Gene No.	88004	Strand	-
Start	7314	End	8276
Name	OJ000303_02.0403.C9.o1.ts	Method	TBLASTX:Soybean
Start	5631	End	7185
GI	none	Score	71
Exons	5631..5684, 5645..5713, 5682..5795, 5690..5746, 5909..6010, 7120..7185		

Seq. No.	42283	Seq. ID	OJ000303_02.0403.C9
Gene No.	88004	Strand	-
Start	7314	End	8276
Name	OJ000303_02.0403.C9.o3.gs	Method	GENSCAN
Start	7314	End	8276
GI	none	Score	.48
Exons	7314..7449, 7815..7888, 8050..8178, 8214..8276		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88005	Strand	+
Start	1	End	2207
Name	OJ000303_02.0403.C10.o1.np	Method	AAT/NAP
Start	1	End	2194
GI	2160694	Score	1221
Exons	1..969, 1821..2194		
GI Descrip.	(U73528) B' regulatory subunit of PP2A [Arabidopsis thaliana]		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88005	Strand	+
Start	1	End	2207
Name	OJ000303_02.0403.C10.o1.gs	Method	GENSCAN
Start	52	End	2207
GI	none	Score	.79
Exons	52..969, 1821..2207		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88006	Strand	+
Start	3852	End	4447
Name	OJ000303_02.0403.C10.o2.gs	Method	GENSCAN
Start	3852	End	4447
GI	none	Score	.98
Exons	3852..3937, 4372..4447		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o1.tc	Method	TBLASTX:Cress
Start	72	End	2114
GI	none	Score	150
Exons	72..269, 73..270, 301..975, 318..716, 418..840, 741..971, 1818..2114, 1818..2012, 1889..2035		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10

Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	73	End	2111
GI	none	Score	188
Exons	73..318, 184..261, 268..975, 318..845, 415..969, 909..971, 1812..2015, 1818..2111		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o2.ts	Method	TBLASTX:Soybean
Start	73	End	432
GI	none	Score	155
Exons	73..282, 301..432, 318..425		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o1.ts	Method	TBLASTX:Soybean
Start	433	End	1862
GI	none	Score	732
Exons	433..975, 492..833, 915..980, 1818..1862		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	475	End	915
GI	none	Score	512
Exons	475..846, 510..839, 859..915		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o2.tw	Method	TBLASTX:Wheat
Start	1823	End	2099
GI	none	Score	239
Exons	1823..2026, 1824..2099		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o3.ts	Method	TBLASTX:Soybean
Start	1869	End	2024
GI	none	Score	181
Exons	1869..2018, 1872..2024		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o2.gp	Method	AAT/GAP
Start	4811	End	5191
GI	none	Score	713
Exons	4811..5191		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10

Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o3.gs	Method	GENSCAN
Start	5056	End	7002
GI	none	Score	.75
Exons	5056..5187, 5296..5430, 5630..5852, 6623..6736, 6836..7002		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o2.np	Method	AAT/NAP
Start	5257	End	8118
GI	7023297	Score	236
Exons	5257..5544, 5630..5852, 6623..6736, 6836..6958, 8088..8118		
GI Descrip.	(AK001798) unnamed protein product [Homo sapiens]		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o2.tm	Method	TBLASTX:Maize
Start	5388	End	5744
GI	none	Score	93
Exons	5388..5483, 5390..5521, 5390..5491, 5485..5589, 5486..5545, 5629..5718, 5630..5743, 5630..5743, 5631..5744		

Seq. No.	42284	Seq. ID	OJ000303_02.0403.C10
Gene No.	88007	Strand	-
Start	5056	End	8118
Name	OJ000303_02.0403.C10.o3.gp	Method	AAT/GAP
Start	7912	End	8118
GI	none	Score	394
Exons	7912..8118		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11
Gene No.	88008	Strand	+
Start	3845	End	10594
Name	OJ000303_02.0403.C11.o2.gs	Method	GENSCAN
Start	3845	End	10594
GI	none	Score	.62
Exons	3845..3903, 4471..4529, 4637..4703, 5559..5598, 5777..5824, 6327..6455, 7682..7741, 7984..8140, 8406..8558, 8938..8989, 9776..9884, 10142..10594		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11
Gene No.	88008	Strand	+
Start	3845	End	10594
Name	OJ000303_02.0403.C11.o3.gp	Method	AAT/GAP
Start	4109	End	4396
GI	3761679	Score	288
Exons	4109..4226, 4318..4396		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11
Gene No.	88008	Strand	+
Start	3845	End	10594
Name	OJ000303_02.0403.C11.o1.np	Method	AAT/NAP

Start	5604	End	10591
GI	6751711	Score	1247
Exons	5604..5711, 6324..6455, 7682..7741, 7984..8140, 8406..8512, 8599..8657, 9776..9884, 10142..10591		
GI Descrip.	(AC018848) putative aspartate aminotransferase [Arabidopsis thaliana]		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11
Gene No.	88009	Strand	-
Start	1	End	3339
Name	OJ000303_02.0403.C11.o1.gp	Method	AAT/GAP
Start	1	End	354
GI	none	Score	459
Exons	1..124, 225..354		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11
Gene No.	88009	Strand	-
Start	1	End	3339
Name	OJ000303_02.0403.C11.o1.gs	Method	GENSCAN
Start	60	End	3339
GI	none	Score	.73
Exons	60..496, 576..725, 1299..1545, 2199..2366, 2973..3098, 3172..3339		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11
Gene No.	88009	Strand	-
Start	1	End	3339
Name	OJ000303_02.0403.C11.o2.gp	Method	AAT/GAP
Start	1475	End	3254
GI	uC-osflm202099g04b1	Score	919
Exons	1475..1545, 2199..2366, 2973..3254		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11
Gene No.	88010	Strand	-
Start	10610	End	10953
Name	OJ000303_02.0403.C11.o2.tm	Method	TBLASTX:Maize
Start	212	End	437
GI	none	Score	136
Exons	212..421, 216..437, 298..432		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11
Gene No.	88010	Strand	-
Start	10610	End	10953
Name	OJ000303_02.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	5482	End	10710
GI	none	Score	70
Exons	5482..5556, 5487..5570, 5488..5565, 5556..5633, 5625..5675, 5633..5674, 5753..5824, 5760..5825, 5775..5828, 6315..6458, 6315..6455, 6322..6459, 7665..7739, 7667..7741, 7681..7740, 7927..8139, 7983..8138, 7988..8143, 8350..8520, 8399..8512, 8587..8658, 8593..8655, 8597..8659, 8598..8660, 9769..9882, 9776..9895, 9777..9887, 10139..10591, 10141..10617, 10142..10612, 10636..10710		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11

Gene No.	88010	Strand	-
Start	10610	End	10953
Name	OJ000303_02.0403.C11.o1.ts	Method	TBLASTX:Soybean
Start	5625	End	10585
GI	none	Score	57
Exons	5625..5675, 5774..5824, 6315..6458, 6315..6455, 7667..7741, 7956..8105, 7981..8136, 7983..8135, 8399..8512, 8399..8500, 8401..8517, 8401..8502, 8583..8666, 8587..8658, 9770..9874, 9775..9888, 9776..9895, 9777..9887, 10141..10440, 10142..10411, 10405..10581, 10406..10585		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11
Gene No.	88010	Strand	-
Start	10610	End	10953
Name	OJ000303_02.0403.C11.o1.tc	Method	TBLASTX:Cress
Start	6315	End	9890
GI	none	Score	181
Exons	6315..6458, 7667..7741, 7948..8136, 7957..8136, 8012..8149, 8399..8512, 8401..8508, 8587..8658, 9776..9883, 9777..9887, 9777..9890		

Seq. No.	42285	Seq. ID	OJ000303_02.0403.C11
Gene No.	88010	Strand	-
Start	10610	End	10953
Name	OJ000303_02.0403.C11.o4.gp	Method	AAT/GAP
Start	10610	End	10953
GI	LIB3431-011-P1-N1-E2	Score	672
Exons	10610..10953		
GI Descrip.	'6006895/gb|AAF00670.1|AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88011	Strand	+
Start	1	End	3560
Name	OJ000303_09.0407.C1.o1.np	Method	AAT/NAP
Start	1	End	3360
GI	7327822	Score	734
Exons	1..226, 297..383, 432..507, 598..679, 770..906, 1538..1711, 1788..1970, 2239..2381, 2456..2518, 2601..2814, 3051..3232, 3307..3360		
GI Descrip.	(AL161946) putative protein [Arabidopsis thaliana]		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88011	Strand	+
Start	1	End	3560
Name	OJ000303_09.0407.C1.o1.gs	Method	GENSCAN
Start	195	End	3560
GI	none	Score	.87
Exons	195..226, 297..378, 604..679, 770..881, 951..1022, 1528..1711, 1788..1970, 2239..2381, 2456..2518, 2601..2814, 3051..3218, 3381..3560		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88011	Strand	+
Start	1	End	3560
Name	OJ000303_09.0407.C1.o1.gp	Method	AAT/GAP
Start	2685	End	3523

GI	LIB3431-006-P1-K1-H11	Score	726
Exons	2685..2814, 3051..3218, 3298..3384, 3492..3523		
GI Descrip.	'225174/prf||1210248A 2.0e-11 glutelin precursor [Oryza sativa]'		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88012	Strand	+
Start	11880	End	19563
Name	OJ000303_09.0407.C1.o3.gs	Method	GENSCAN
Start	11880	End	19563
GI	none	Score	.91
Exons	11880..12025, 12827..12854, 13052..13131, 13336..13417, 13507..13577, 13655..13734, 13803..13900, 14266..14389, 14491..14573, 14671..14719, 14808..14875, 15451..15813, 16189..16654, 16759..17018, 17116..17376, 17549..17628, 17734..17839, 17936..18049, 18130..18228, 18380..18469, 18602..18852, 19146..19563		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88012	Strand	+
Start	11880	End	19563
Name	OJ000303_09.0407.C1.o3.gp	Method	AAT/GAP
Start	12382	End	13401
GI	LIB3474-005-P1-K1-D1	Score	449
Exons	12382..12446, 12873..12924, 13052..13131, 13336..13401		
GI Descrip.	'3150403 1.0e-09 (AC004165) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88012	Strand	+
Start	11880	End	19563
Name	OJ000303_09.0407.C1.o4.gp	Method	AAT/GAP
Start	14329	End	15275
GI	none	Score	1042
Exons	14329..14389, 14491..14573, 14671..14719, 14808..14875, 14959..15275		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88012	Strand	+
Start	11880	End	19563
Name	OJ000303_09.0407.C1.o2.np	Method	AAT/NAP
Start	16388	End	19335
GI	6682628	Score	1357
Exons	16388..16654, 16782..17018, 17116..17337, 17549..17628, 17734..17839, 17936..18049, 18130..18228, 18380..18469, 18602..18852, 19146..19335		
GI Descrip.	(AC016163) putative ATP-dependent RNA helicase [Arabidopsis thaliana]		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88013	Strand	+
Start	20123	End	20317
Name	OJ000303_09.0407.C1.o4.gs	Method	GENSCAN
Start	20123	End	20317
GI	none	Score	.97
Exons	20123..20317		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1

Gene No.	88014	Strand	-
Start	4676	End	11226
Name	OJ000303_09.0407.C1.o2.gs	Method	GENSCAN
Start	4676	End	11226
GI	none	Score	.82
Exons	4676..4777, 6213..6293, 6723..6807, 7609..7737, 8300..8346, 8729..8897, 9581..9737, 10134..10215, 10502..10646, 11168..11226		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88014	Strand	-
Start	4676	End	11226
Name	OJ000303_09.0407.C1.o2.gp	Method	AAT/GAP
Start	5548	End	6303
GI	2796811	Score	307
Exons	5548..5676, 6213..6303		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88015	Strand	-
Start	16042	End	16237
Name	OJ000303_09.0407.C1.o5.gp	Method	AAT/GAP
Start	16042	End	16237
GI	24989_1.R1084	Score	304
Exons	16042..16237		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o5.tm	Method	TBLASTX:Maize
Start	183	End	510
GI	none	Score	68
Exons	183..230, 185..289, 189..230, 287..382, 297..377, 453..509, 454..510, 456..509		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o8.tm	Method	TBLASTX:Maize
Start	6210	End	8383
GI	none	Score	78
Exons	6210..6296, 6210..6344, 6718..6861, 6720..6806, 7588..7737, 7608..7742, 7609..7743, 7613..7792, 8296..8376, 8297..8383, 8297..8347, 8299..8352		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o4.tm	Method	TBLASTX:Maize
Start	8729	End	11258
GI	none	Score	107
Exons	8729..8812, 8733..8813, 8734..8814, 8749..8817, 8955..9050, 8956..9048, 8957..9052, 9578..9742, 9578..9736, 9579..9752, 9580..9774, 9580..9738, 10105..10218, 10131..10217, 10145..10219, 10565..10654, 10566..10649, 10567..10653, 11142..11258, 11159..11248, 11160..11249		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o1.ts	Method	TBLASTX:Soybean
Start	12871	End	14732
GI	none	Score	58
Exons	12871..12930, 12873..12929, 13036..13086, 13049..13126, 13166..13222, 13337..13420, 13504..13578, 13506..13589, 13644..13736, 13646..13738, 13787..13903, 13801..13905, 13802..13906, 14265..14387, 14266..14394, 14466..14585, 14475..14573, 14491..14607, 14668..14721, 14670..14732		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o4.ts	Method	TBLASTX:Soybean
Start	16414	End	17018
GI	none	Score	293
Exons	16414..16596, 16418..16690, 16779..17018, 16781..17017		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o2.tc	Method	TBLASTX:Cress
Start	16568	End	17006
GI	none	Score	97
Exons	16568..16642, 16637..16690, 16779..16910, 16781..16894, 16935..17006		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o5.ts	Method	TBLASTX:Soybean
Start	17113	End	17315
GI	none	Score	278
Exons	17113..17307, 17113..17298, 17115..17315, 17115..17306		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o6.tm	Method	TBLASTX:Maize
Start	17113	End	17334
GI	none	Score	192
Exons	17113..17334, 17127..17300		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o1.tc	Method	TBLASTX:Cress
Start	17542	End	19398
GI	none	Score	91
Exons	17542..17628, 17543..17629, 17735..17839, 17813..17845, 17942..18049, 17944..18027, 17975..18049, 18118..18228, 18127..18186, 18129..18236, 18380..18466, 18602..18853, 18622..18828, 18623..18841, 19135..19200, 19273..19398		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1

Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o1.tm	Method	TBLASTX:Maize
Start	17750	End	18216
GI	none	Score	58
Exons	17750..17800, 17750..17779, 17776..17838, 17777..17839, 17790..17840, 17795..17839, 17934..18047, 17941..18048, 17942..18049, 18122..18205, 18127..18216, 18127..18216		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o3.ts	Method	TBLASTX:Soybean
Start	18599	End	18853
GI	none	Score	330
Exons	18599..18853, 18622..18852		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o2.tm	Method	TBLASTX:Maize
Start	18675	End	19395
GI	none	Score	110
Exons	18675..18800, 18675..18851, 18676..18852, 18677..18853, 18677..18856, 19135..19206, 19137..19205, 19140..19217, 19244..19315, 19247..19300, 19273..19395		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o6.gp	Method	AAT/GAP
Start	21166	End	22717
GI	2798227	Score	787
Exons	21166..21464, 22472..22550, 22636..22717		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o5.gs	Method	GENSCAN
Start	21346	End	25166
GI	none	Score	.93
Exons	21346..21464, 22636..22786, 23542..24409, 25075..25166		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o3.np	Method	AAT/NAP
Start	21359	End	25188
GI	7293195	Score	356
Exons	21359..21468, 24147..24420, 25075..25188		
GI Descrip.	(AE003501) caz gene product [Drosophila melanogaster]		

Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o1.tw	Method	TBLASTX:Wheat
Start	22471	End	23606

GI	none	Score	98
Exons	22471..22551, 22473..22550, 22474..22551, 22505..22552, 22633..22788, 22637..22789, 22642..22788, 23539..23604, 23540..23605, 23541..23606		
Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o2.ts	Method	TBLASTX:Soybean
Start	22486	End	23692
GI	none	Score	37
Exons	22486..22551, 22488..22550, 22634..22789, 22671..22778, 23539..23685, 23540..23692		
Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o3.tm	Method	TBLASTX:Maize
Start	22680	End	23698
GI	none	Score	139
Exons	22680..22778, 22680..22787, 22682..22789, 22682..22789, 23539..23688, 23540..23695, 23540..23698		
Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o7.tm	Method	TBLASTX:Maize
Start	23858	End	24314
GI	none	Score	191
Exons	23858..23980, 23859..24029, 23928..24029, 23994..24080, 24015..24140, 24195..24233, 24282..24314		
Seq. No.	42286	Seq. ID	OJ000303_09.0407.C1
Gene No.	88016	Strand	-
Start	21346	End	25188
Name	OJ000303_09.0407.C1.o7.gp	Method	AAT/GAP
Start	23889	End	24150
GI	2310809	Score	500
Exons	23889..24150		
Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88017	Strand	+
Start	1	End	19529
Name	OJ000303_09.0407.C2.o1.np	Method	AAT/NAP
Start	1	End	16758
GI	1184100	Score	250
Exons	1..261, 2025..2179, 4988..5061, 11813..11889, 16183..16758		
GI Descrip.	(U45958) pistil extensin-like protein [Nicotiana alata]		
Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88017	Strand	+
Start	1	End	19529
Name	OJ000303_09.0407.C2.o2.gs	Method	GENSCAN
Start	2018	End	2602
GI	none	Score	1
Exons	2018..2602		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88017	Strand	+
Start	1	End	19529
Name	OJ000303_09.0407.C2.o3.gs	Method	GENSCAN
Start	4942	End	5499
GI	none	Score	1
Exons	4942..5499		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88017	Strand	+
Start	1	End	19529
Name	OJ000303_09.0407.C2.o4.gs	Method	GENSCAN
Start	7488	End	8051
GI	none	Score	1
Exons	7488..8051		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88017	Strand	+
Start	1	End	19529
Name	OJ000303_09.0407.C2.o4.np	Method	AAT/NAP
Start	9724	End	19520
GI	1707022	Score	113
Exons	9724..9923, 18975..19520		
GI Descrip.	(U78721) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88017	Strand	+
Start	1	End	19529
Name	OJ000303_09.0407.C2.o5.gs	Method	GENSCAN
Start	9847	End	15199
GI	none	Score	.85
Exons	9847..10291, 10830..10890, 11341..11493, 13551..13594, 13679..13818, 14474..14578, 15092..15199		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88017	Strand	+
Start	1	End	19529
Name	OJ000303_09.0407.C2.o6.gs	Method	GENSCAN
Start	16158	End	16733
GI	none	Score	.99
Exons	16158..16733		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88017	Strand	+
Start	1	End	19529
Name	OJ000303_09.0407.C2.o7.gs	Method	GENSCAN
Start	18960	End	19529
GI	none	Score	.99
Exons	18960..19529		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88018	Strand	+
Start	22041	End	22609
Name	OJ000303_09.0407.C2.o8.gs	Method	GENSCAN
Start	22041	End	22609
GI	none	Score	.65
Exons	22041..22191, 22236..22609		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88019	Strand	+
Start	22688	End	25201
Name	OJ000303_09.0407.C2.o5.np	Method	AAT/NAP
Start	22688	End	25192
GI	1707022	Score	94
Exons	22688..22739, 23250..23481, 24731..25192		
GI Descrip.	(U78721) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88019	Strand	+
Start	22688	End	25201
Name	OJ000303_09.0407.C2.o9.gs	Method	GENSCAN
Start	22960	End	24197
GI	none	Score	.64
Exons	22960..22986, 23448..23778, 24145..24197		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88019	Strand	+
Start	22688	End	25201
Name	OJ000303_09.0407.C2.o10.gs	Method	GENSCAN
Start	24641	End	25201
GI	none	Score	1
Exons	24641..25201		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88020	Strand	-
Start	17	End	221
Name	OJ000303_09.0407.C2.o1.gs	Method	GENSCAN
Start	17	End	221
GI	none	Score	.75
Exons	17..91, 96..221		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88021	Strand	-
Start	1479	End	15416
Name	OJ000303_09.0407.C2.o2.np	Method	AAT/NAP
Start	1479	End	15416
GI	7362748	Score	20
Exons	1479..1554, 4261..4375, 11986..12063, 12137..12229, 12361..12415, 14209..14287, 15328..15416		
GI Descrip.	(AL162651) proline-rich protein [Arabidopsis thaliana]		

Seq. No.	42287	Seq. ID	OJ000303_09.0407.C2
Gene No.	88021	Strand	-
Start	1479	End	15416
Name	OJ000303_09.0407.C2.o3.np	Method	AAT/NAP
Start	13300	End	13451
GI	5922628	Score	56
Exons	13300..13451		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88022	Strand	+

Start	418	End	1006
Name	OJ000303_09.0407.C3.o1.gs	Method	GENSCAN
Start	418	End	1006
GI	none	Score	.72
Exons	418..536, 601..1006		

Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88023	Strand	+
Start	4089	End	4823
Name	OJ000303_09.0407.C3.o3.gs	Method	GENSCAN
Start	4089	End	4823
GI	none	Score	.75
Exons	4089..4823		

Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88024	Strand	+
Start	12228	End	15199
Name	OJ000303_09.0407.C3.o2.np	Method	AAT/NAP
Start	12228	End	15199
GI	5042463	Score	121
Exons	12228..12248, 13440..13676, 14339..14470, 14522..14603, 15167..15199		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88024	Strand	+
Start	12228	End	15199
Name	OJ000303_09.0407.C3.o2.gp	Method	AAT/GAP
Start	12243	End	12632
GI	84553_1.R1084	Score	658
Exons	12243..12632		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88025	Strand	+
Start	15439	End	15552
Name	OJ000303_09.0407.C3.o3.np	Method	AAT/NAP
Start	15439	End	15552
GI	6815099	Score	82
Exons	15439..15552		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88026	Strand	-
Start	1530	End	2491
Name	OJ000303_09.0407.C3.o2.gs	Method	GENSCAN
Start	1530	End	2491
GI	none	Score	.82
Exons	1530..2076, 2102..2282, 2431..2491		

Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88027	Strand	-
Start	5433	End	5897
Name	OJ000303_09.0407.C3.o4.gs	Method	GENSCAN
Start	5433	End	5897
GI	none	Score	.48

Exons	5433..5897		
Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88028	Strand	-
Start	9445	End	12435
Name	OJ000303_09.0407.C3.o1.np	Method	AAT/NAP
Start	9199	End	12435
GI	6682625	Score	896
Exons	9199..9284, 9472..11439, 11950..12435		
GI Descrip.	(AC016163) putative disease resistance protein [Arabidopsis thaliana]		
Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88028	Strand	-
Start	9445	End	12435
Name	OJ000303_09.0407.C3.o6.gs	Method	GENSCAN
Start	9445	End	12435
GI	none	Score	.65
Exons	9445..10232, 11433..12435		
Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88029	Strand	-
Start	15605	End	16029
Name	OJ000303_09.0407.C3.o1.ts	Method	TBLASTX:Soybean
Start	9584	End	11850
GI	none	Score	144
Exons	9584..9862, 9586..9975, 9667..9921, 9668..9922, 9670..9921, 9676..9939, 9745..9810, 9748..9945, 9748..9864, 9841..9945, 9886..9945, 10024..10152, 10057..10164, 10147..10467, 10162..10368, 10201..10458, 10201..10446, 10252..10344, 10447..10587, 10483..10671, 10483..10656, 10630..10734, 10822..10962, 10840..10884, 10999..11049, 11002..11058, 11050..11151, 11065..11337, 11065..11259, 11209..11502, 11515..11685, 11566..11850, 11575..11757		
Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88029	Strand	-
Start	15605	End	16029
Name	OJ000303_09.0407.C3.o2.tc	Method	TBLASTX:Cress
Start	9589	End	12063
GI	none	Score	60
Exons	9589..9738, 9607..9792, 9607..9789, 9640..9795, 9649..9783, 9667..9792, 9670..9786, 9673..9792, 9673..9792, 9676..9792, 10408..10455, 10447..10671, 10447..10596, 10459..10599, 10465..10578, 10469..10594, 10474..10578, 10483..10611, 10483..10611, 11245..11487, 11248..11493, 11251..11469, 11251..11760, 11251..11475, 11269..11475, 11515..11772, 11515..11760, 11575..11748, 11962..12063		
Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88029	Strand	-
Start	15605	End	16029
Name	OJ000303_09.0407.C3.o1.tw	Method	TBLASTX:Wheat
Start	9598	End	12051
GI	none	Score	59
Exons	9598..9642, 9625..9978, 10336..10455, 11065..11334, 11335..11460, 11515..11697, 11566..11757, 11959..12051		

Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88029	Strand	-
Start	15605	End	16029
Name	OJ000303_09.0407.C3.o1.tm	Method	TBLASTX:Maize
Start	9667	End	11694
GI	none	Score	51
Exons	9667..9810, 9673..9774, 9880..9939, 10108..10173, 10109..10165, 10165..10578, 10173..10577, 10174..10653, 10190..10654, 11182..11475, 11197..11334, 11548..11694		

Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88029	Strand	-
Start	15605	End	16029
Name	OJ000303_09.0407.C3.o1.tc	Method	TBLASTX:Cress
Start	9799	End	11244
GI	none	Score	72
Exons	9799..9975, 9818..9928, 10066..10194, 10195..10362, 10199..10360, 10264..10383, 11113..11244		

Seq. No.	42288	Seq. ID	OJ000303_09.0407.C3
Gene No.	88029	Strand	-
Start	15605	End	16029
Name	OJ000303_09.0407.C3.o7.gs	Method	GENSCAN
Start	15605	End	16029
GI	none	Score	.67
Exons	15605..15754, 15846..16029		

Seq. No.	42289	Seq. ID	OJ000303_09.0407.C4
Gene No.	88030	Strand	+
Start	682	End	1015
Name	OJ000303_09.0407.C4.o1.gp	Method	AAT/GAP
Start	682	End	1015
GI	2427798	Score	660
Exons	682..1015		

Seq. No.	42289	Seq. ID	OJ000303_09.0407.C4
Gene No.	88031	Strand	-
Start	2742	End	5514
Name	OJ000303_09.0407.C4.o2.gp	Method	AAT/GAP
Start	2527	End	3112
GI	LIB3432-052-P1-K1-E4	Score	1046
Exons	2527..3112		
GI Descrip.	'4432871/gb|AAD20719| 3.0e-20 (AC006300) putative disease resistance protein [Arabidopsis thaliana]'		

Seq. No.	42289	Seq. ID	OJ000303_09.0407.C4
Gene No.	88031	Strand	-
Start	2742	End	5514
Name	OJ000303_09.0407.C4.o1.np	Method	AAT/NAP
Start	2531	End	3727
GI	2808683	Score	734
Exons	2531..3727, 4250..4480, 4692..4937, 5155..5312, 5391..5514		
GI Descrip.	(AJ002235) Cf-4 [Lycopersicon hirsutum]		

Seq. No.	42289	Seq. ID	OJ000303_09.0407.C4
Gene No.	88031	Strand	-

Start	2742	End	5514
Name	OJ000303_09.0407.C4.o2.gs	Method	GENSCAN
Start	2742	End	5510
GI	none	Score	.62
Exons	2742..4414, 4757..5510		

Seq. No.	42289	Seq. ID	OJ000303_09.0407.C4
Gene No.	88031	Strand	-
Start	2742	End	5514
Name	OJ000303_09.0407.C4.o1.ts	Method	TBLASTX:Soybean
Start	2800	End	5378
GI	none	Score	177
Exons	2800..3123, 2913..3143, 2913..3101, 2916..3179, 2916..3089, 2985..3074, 2986..3090, 3360..3770, 3360..3542, 3366..3479, 3429..3677, 3444..3692, 3504..3764, 3567..3827, 3831..3929, 3843..3932, 3897..3989, 3999..4094, 4002..4139, 4242..4364, 4242..4349, 4242..4349, 4248..4361, 4248..4343, 4254..4349, 4263..4304, 4332..4469, 5070..5162, 5208..5378, 5208..5351		

Seq. No.	42289	Seq. ID	OJ000303_09.0407.C4
Gene No.	88031	Strand	-
Start	2742	End	5514
Name	OJ000303_09.0407.C4.o1.tc	Method	TBLASTX:Cress
Start	2851	End	5510
GI	none	Score	65
Exons	2851..3003, 2910..3116, 2910..3098, 2910..3083, 2916..3116, 2916..3026, 2916..3113, 2916..3101, 2916..3113, 2925..3098, 2970..3116, 2991..3116, 3264..3317, 3267..3317, 3267..3335, 3351..3683, 3354..3773, 3360..3755, 3360..3854, 3360..3764, 3360..3755, 3360..3767, 3360..3836, 3411..3827, 3444..3827, 3582..3827, 3861..3911, 3864..3944, 3864..3902, 4176..4229, 4224..4343, 4242..4376, 4242..4361, 4242..4349, 4242..4349, 4242..4364, 4248..4364, 4248..4343, 4248..4349, 4818..4961, 5205..5510, 5268..5420		

Seq. No.	42289	Seq. ID	OJ000303_09.0407.C4
Gene No.	88031	Strand	-
Start	2742	End	5514
Name	OJ000303_09.0407.C4.o1.tm	Method	TBLASTX:Maize
Start	2916	End	4911
GI	none	Score	120
Exons	2916..3086, 3270..3623, 3367..3636, 3429..3530, 3621..3752, 3621..3815, 3864..3977, 4813..4911		

Seq. No.	42290	Seq. ID	OJ000303_09.0407.C5
Gene No.	88032	Strand	+
Start	41	End	342
Name	OJ000303_09.0407.C5.o1.gs	Method	GENSCAN
Start	41	End	342
GI	none	Score	.68
Exons	41..108, 192..342		

Seq. No.	42290	Seq. ID	OJ000303_09.0407.C5
Gene No.	88033	Strand	+
Start	4795	End	6481
Name	OJ000303_09.0407.C5.o1.np	Method	AAT/NAP
Start	4795	End	6481

GI	6721516	Score	594
Exons	4795..5029, 5440..5779, 6217..6289, 6380..6481		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42290	Seq. ID	OJ000303_09.0407.C5
Gene No.	88034	Strand	+
Start	15245	End	15565
Name	OJ000303_09.0407.C5.o1.gp	Method	AAT/GAP
Start	15245	End	15565
GI	none	Score	638
Exons	15245..15565		

Seq. No.	42290	Seq. ID	OJ000303_09.0407.C5
Gene No.	88035	Strand	-
Start	9366	End	16047
Name	OJ000303_09.0407.C5.o2.np	Method	AAT/NAP
Start	9366	End	16047
GI	6635236	Score	959
Exons	9366..9390, 10769..12136, 12289..12660, 13162..13380, 15622..16047		
GI Descrip.	(AB029327) elicitor-inducible receptor-like protein EIR [Nicotiana tabacum]		

Seq. No.	42290	Seq. ID	OJ000303_09.0407.C5
Gene No.	88035	Strand	-
Start	9366	End	16047
Name	OJ000303_09.0407.C5.o1.ts	Method	TBLASTX:Soybean
Start	10803	End	15802
GI	none	Score	173
Exons	10803..11234, 10805..11233, 10886..11140, 10889..11140, 10895..11158, 10964..11029, 10967..11164, 10967..11083, 11060..11176, 11105..11164, 11243..11371, 11300..11383, 11411..11683, 11420..11677, 11420..11665, 11421..11606, 11432..11686, 11471..11557, 11552..11686, 11564..11692, 11693..11824, 11702..11875, 11702..11845, 11906..11953, 12044..12184, 12047..12133, 12146..12211, 12220..12405, 12286..12558, 12286..12480, 12293..12445, 12358..12696, 12430..12723, 15500..15802, 15520..15552, 15533..15556, 15607..15801, 15607..15801, 15607..15735, 15610..15801, 15610..15711		

Seq. No.	42290	Seq. ID	OJ000303_09.0407.C5
Gene No.	88035	Strand	-
Start	9366	End	16047
Name	OJ000303_09.0407.C5.o1.tw	Method	TBLASTX:Wheat
Start	10814	End	15801
GI	none	Score	61
Exons	10814..10861, 10844..11203, 11693..11884, 15596..15796, 15607..15798, 15607..15726, 15679..15801		

Seq. No.	42290	Seq. ID	OJ000303_09.0407.C5
Gene No.	88035	Strand	-
Start	9366	End	16047
Name	OJ000303_09.0407.C5.o1.tc	Method	TBLASTX:Cress
Start	10877	End	15801
GI	none	Score	75
Exons	10877..11020, 10886..11038, 10886..11089, 10892..11146,		

10893..11144, 10964..11146, 11021..11173, 11036..11164,
11294..11380, 11402..11680, 11546..11884, 11687..11797,
11912..12139, 11912..12025, 12002..12097, 15607..15801,
15607..15741, 15607..15753, 15673..15801, 15736..15801

Seq. No.	42290	Seq. ID	OJ000303_09.0407.C5
Gene No.	88035	Strand	-
Start	9366	End	16047
Name	OJ000303_09.0407.C5.o1.tm	Method	TBLASTX:Maize
Start	10892	End	15735
GI	none	Score	43

Exons 10892..10993, 11321..11395, 11327..11392, 11383..11796,
11384..11854, 11387..11872, 11775..11873, 12403..12696,
12418..12555, 12496..12633, 12562..12681, 15607..15735

Seq. No.	42290	Seq. ID	OJ000303_09.0407.C5
Gene No.	88035	Strand	-
Start	9366	End	16047
Name	OJ000303_09.0407.C5.o2.tc	Method	TBLASTX:Cress
Start	12277	End	13410
GI	none	Score	68

Exons 12277..12732, 12286..12711, 12286..12699, 12286..12699,
12286..12585, 12337..12693, 12353..12460, 12355..12651,
12367..12555, 12406..12696, 12409..12681, 12488..12652,
12499..12714, 13171..13272, 13252..13410

Seq. No.	42290	Seq. ID	OJ000303_09.0407.C5
Gene No.	88035	Strand	-
Start	9366	End	16047
Name	OJ000303_09.0407.C5.o3.gs	Method	GENSCAN
Start	14506	End	15065
GI	none	Score	.43

Exons 14506..14785, 14848..15065

Seq. No.	42291	Seq. ID	OJ000303_08.0404.C1
Gene No.	88036	Strand	+
Start	264	End	847
Name	OJ000303_08.0404.C1.o1.gs	Method	GENSCAN
Start	264	End	847
GI	none	Score	.48

Exons 264..527, 736..847

Seq. No.	42291	Seq. ID	OJ000303_08.0404.C1
Gene No.	88037	Strand	-
Start	1616	End	6137
Name	OJ000303_08.0404.C1.o2.gs	Method	GENSCAN
Start	1616	End	4628
GI	none	Score	.81

Exons 1616..1681, 2124..2280, 2513..2682, 3170..3289, 3533..3632,
3748..3836, 3930..4628

Seq. No.	42291	Seq. ID	OJ000303_08.0404.C1
Gene No.	88037	Strand	-
Start	1616	End	6137
Name	OJ000303_08.0404.C1.o1.gp	Method	AAT/GAP
Start	1777	End	2074
GI	none	Score	493

Exons	1777..2074		
Seq. No.	42291	Seq. ID	OJ000303_08.0404.C1
Gene No.	88037	Strand	-
Start	1616	End	6137
Name	OJ000303_08.0404.C1.o1.np	Method	AAT/NAP
Start	2004	End	4628
GI	4580397	Score	664
Exons	2004..2259, 2495..2637, 3008..3289, 3533..3632, 3748..3836, 3930..4235, 4272..4362, 4420..4628		
GI Descrip.	(AC007171) putative ATP-dependent RNA helicase [Arabidopsis thaliana]		
Seq. No.	42291	Seq. ID	OJ000303_08.0404.C1
Gene No.	88037	Strand	-
Start	1616	End	6137
Name	OJ000303_08.0404.C1.o2.tm	Method	TBLASTX:Maize
Start	2007	End	3583
GI	none	Score	256
Exons	2007..2282, 2007..2282, 2008..2316, 2506..2685, 2507..2683, 2513..2701, 2514..2702, 3027..3131, 3029..3133, 3049..3135, 3129..3290, 3133..3291, 3134..3289, 3135..3290, 3528..3566, 3530..3583		
Seq. No.	42291	Seq. ID	OJ000303_08.0404.C1
Gene No.	88037	Strand	-
Start	1616	End	6137
Name	OJ000303_08.0404.C1.o2.gp	Method	AAT/GAP
Start	2499	End	3809
GI	16381_1.R1084	Score	1067
Exons	2499..2682, 3032..3289, 3533..3632, 3748..3809		
GI Descrip.	'4580397/gb|AAD24375.1|AC007171_11 6.0e-28 (AC007171) putative RNA helicase [Arabidopsis thaliana]'		
Seq. No.	42291	Seq. ID	OJ000303_08.0404.C1
Gene No.	88037	Strand	-
Start	1616	End	6137
Name	OJ000303_08.0404.C1.o2.np	Method	AAT/NAP
Start	3080	End	6137
GI	6521014	Score	88
Exons	3080..3144, 5491..5691, 5791..5862, 5935..6137		
GI Descrip.	(AB032566) Vasa [Oncorhynchus mykiss]		
Seq. No.	42291	Seq. ID	OJ000303_08.0404.C1
Gene No.	88037	Strand	-
Start	1616	End	6137
Name	OJ000303_08.0404.C1.o1.ts	Method	TBLASTX:Soybean
Start	3185	End	4085
GI	none	Score	116
Exons	3185..3289, 3528..3629, 3530..3631, 3747..3839, 3763..3837, 3927..4085, 3928..4080		
Seq. No.	42291	Seq. ID	OJ000303_08.0404.C1
Gene No.	88037	Strand	-
Start	1616	End	6137
Name	OJ000303_08.0404.C1.o1.tc	Method	TBLASTX:Cress
Start	3533	End	4047

GI	none	Score	77
Exons	3533..3631, 3534..3632, 3747..3839, 3748..3837, 3927..4004, 3949..4047		

Seq. No.	42291	Seq. ID	OJ000303_08.0404.C1
Gene No.	88037	Strand	-
Start	1616	End	6137
Name	OJ000303_08.0404.C1.o1.tm	Method	TBLASTX:Maize
Start	3611	End	4227
GI	none	Score	140
Exons	3611..3631, 3747..3839, 3748..3840, 3924..4181, 3927..4181, 3928..4185, 4170..4226, 4171..4227		

Seq. No.	42292	Seq. ID	OJ000303_08.0404.C2
Gene No.	88038	Strand	+
Start	404	End	1503
Name	OJ000303_08.0404.C2.o1.gs	Method	GENSCAN
Start	404	End	1503
GI	none	Score	.95
Exons	404..430, 1339..1503		

Seq. No.	42292	Seq. ID	OJ000303_08.0404.C2
Gene No.	88039	Strand	-
Start	1509	End	1890
Name	OJ000303_08.0404.C2.o1.gp	Method	AAT/GAP
Start	1509	End	1890
GI	3768823	Score	553
Exons	1509..1890		

Seq. No.	42293	Seq. ID	OJ000303_08.0404.C3
Gene No.	88040	Strand	+
Start	2159	End	3665
Name	OJ000303_08.0404.C3.o2.gs	Method	GENSCAN
Start	2159	End	3665
GI	none	Score	.56
Exons	2159..2251, 3348..3665		

Seq. No.	42293	Seq. ID	OJ000303_08.0404.C3
Gene No.	88041	Strand	-
Start	804	End	1280
Name	OJ000303_08.0404.C3.o1.gs	Method	GENSCAN
Start	804	End	1247
GI	none	Score	.48
Exons	804..1247		

Seq. No.	42293	Seq. ID	OJ000303_08.0404.C3
Gene No.	88041	Strand	-
Start	804	End	1280
Name	OJ000303_08.0404.C3.o1.np	Method	AAT/NAP
Start	825	End	1280
GI	6143874	Score	253
Exons	825..1280		
GI Descrip.	(AC010927) unknown protein [Arabidopsis thaliana]		

Seq. No.	42293	Seq. ID	OJ000303_08.0404.C3
Gene No.	88042	Strand	-
Start	4387	End	5354

Name	OJ000303_08.0404.C3.o1.tc	Method	TBLASTX:Cress
Start	957	End	1178
GI	none	Score	61
Exons	957..1070, 1009..1071, 1089..1178, 1090..1176		

Seq. No.	42293	Seq. ID	OJ000303_08.0404.C3
Gene No.	88042	Strand	-
Start	4387	End	5354
Name	OJ000303_08.0404.C3.o1.tw	Method	TBLASTX:Wheat
Start	957	End	1248
GI	none	Score	57
Exons	957..1088, 959..982, 994..1083, 1047..1226, 1063..1248		

Seq. No.	42293	Seq. ID	OJ000303_08.0404.C3
Gene No.	88042	Strand	-
Start	4387	End	5354
Name	OJ000303_08.0404.C3.o1.tm	Method	TBLASTX:Maize
Start	957	End	1242
GI	none	Score	46
Exons	957..1082, 959..982, 994..1083, 1047..1229, 1063..1242		

Seq. No.	42293	Seq. ID	OJ000303_08.0404.C3
Gene No.	88042	Strand	-
Start	4387	End	5354
Name	OJ000303_08.0404.C3.o1.gp	Method	AAT/GAP
Start	4274	End	4630
GI	5003392	Score	688
Exons	4274..4630		

Seq. No.	42293	Seq. ID	OJ000303_08.0404.C3
Gene No.	88042	Strand	-
Start	4387	End	5354
Name	OJ000303_08.0404.C3.o3.gs	Method	GENSCAN
Start	4387	End	5354
GI	none	Score	.82
Exons	4387..4764, 4903..5121, 5316..5354		

Seq. No.	42293	Seq. ID	OJ000303_08.0404.C3
Gene No.	88042	Strand	-
Start	4387	End	5354
Name	OJ000303_08.0404.C3.o2.np	Method	AAT/NAP
Start	4393	End	5125
GI	7486544	Score	151
Exons	4393..4499, 4614..4764, 4935..5125		
GI Descrip.	hypothetical protein F6N15.24 - Arabidopsis thaliana gi|3193332|gb|AAC19314.1| (AF069299) similar to Arabidopsis AT-hook protein 1 (GB:AJ222585) [Arabidopsis thaliana] gi|7267107|emb|CAB80778.1| (AL161471) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	42293	Seq. ID	OJ000303_08.0404.C3
Gene No.	88042	Strand	-
Start	4387	End	5354
Name	OJ000303_08.0404.C3.o2.tm	Method	TBLASTX:Maize
Start	4616	End	5124
GI	none	Score	36
Exons	4616..4642, 4712..4768, 4714..4767, 4879..5064, 4961..5083,		

5000..5122, 5050..5124, 5062..5124

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88043	Strand	+
Start	5342	End	5932
Name	OJ000303_08.0404.C4.o2.gs	Method	GENSCAN
Start	5342	End	5932
GI	none	Score	.9
Exons	5342..5932		

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88044	Strand	+
Start	16797	End	18514
Name	OJ000303_08.0404.C4.o2.np	Method	AAT/NAP
Start	16516	End	18490
GI	7406458	Score	590
Exons	16516..16560, 16806..18490		
GI Descrip.	(AL162875) putative protein [Arabidopsis thaliana]		

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88044	Strand	+
Start	16797	End	18514
Name	OJ000303_08.0404.C4.o4.gs	Method	GENSCAN
Start	16797	End	18514
GI	none	Score	.42
Exons	16797..16856, 16913..18514		

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88044	Strand	+
Start	16797	End	18514
Name	OJ000303_08.0404.C4.o2.gp	Method	AAT/GAP
Start	17366	End	17706
GI	3061236	Score	663
Exons	17366..17706		

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88045	Strand	-
Start	1	End	16999
Name	OJ000303_08.0404.C4.o1.np	Method	AAT/NAP
Start	1	End	16999
GI	6633838	Score	166
Exons	1..21, 675..806, 910..977, 1457..1518, 10963..11185, 16842..16999		
GI Descrip.	(AC008047) F2K11.15 [Arabidopsis thaliana]		

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88045	Strand	-
Start	1	End	16999
Name	OJ000303_08.0404.C4.o1.gs	Method	GENSCAN
Start	669	End	1819
GI	none	Score	.69
Exons	669..806, 1037..1116, 1457..1648, 1714..1819		

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88045	Strand	-
Start	1	End	16999
Name	OJ000303_08.0404.C4.o1.gp	Method	AAT/GAP

Start	904	End	1851
GI	none	Score	874
Exons	904..977, 1457..1851		

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88045	Strand	-
Start	1	End	16999
Name	OJ000303_08.0404.C4.o3.gs	Method	GENSCAN
Start	6129	End	14035
GI	none	Score	.47
Exons	6129..6269, 6456..6564, 6798..7142, 7218..7310, 10869..10914, 13716..13867, 13968..14035		

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88046	Strand	-
Start	19322	End	19496
Name	OJ000303_08.0404.C4.o1.tm	Method	TBLASTX:Maize
Start	675	End	942
GI	none	Score	138
Exons	675..806, 676..807, 908..940, 910..942		

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88046	Strand	-
Start	19322	End	19496
Name	OJ000303_08.0404.C4.o1.ts	Method	TBLASTX:Soybean
Start	18179	End	18430
GI	none	Score	142
Exons	18179..18325, 18229..18288, 18304..18405, 18305..18430		

Seq. No.	42294	Seq. ID	OJ000303_08.0404.C4
Gene No.	88046	Strand	-
Start	19322	End	19496
Name	OJ000303_08.0404.C4.o5.gs	Method	GENSCAN
Start	19322	End	19496
GI	none	Score	.99
Exons	19322..19496		

Seq. No.	42295	Seq. ID	OJ000303_08.0404.C5
Gene No.	88047	Strand	+
Start	1294	End	6392
Name	OJ000303_08.0404.C5.o1.gs	Method	GENSCAN
Start	1294	End	6392
GI	none	Score	.55
Exons	1294..1309, 4172..4248, 4653..4773, 5131..5336, 5814..5865, 5965..6392		

Seq. No.	42295	Seq. ID	OJ000303_08.0404.C5
Gene No.	88048	Strand	-
Start	7223	End	8276
Name	OJ000303_08.0404.C5.o2.gs	Method	GENSCAN
Start	7223	End	8276
GI	none	Score	.66
Exons	7223..7300, 7302..7394, 7932..8050, 8228..8276		

Seq. No.	42296	Seq. ID	OJ000303_08.0404.C6
Gene No.	88049	Strand	-
Start	1598	End	1855

Name	OJ000303_08.0404.C6.o1.gs	Method	GENSCAN
Start	1598	End	1855
GI	none	Score	.45
Exons	1598..1638, 1777..1855		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88050	Strand	+
Start	410	End	2623
Name	OJ000303_08.0404.C7.o1.gs	Method	GENSCAN
Start	410	End	2623
GI	none	Score	.67
Exons	410..520, 2319..2623		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88051	Strand	+
Start	2884	End	7157
Name	OJ000303_08.0404.C7.o2.gs	Method	GENSCAN
Start	2884	End	7157
GI	none	Score	.44
Exons	2884..2958, 3304..3331, 3576..3600, 4217..4617, 4687..4816, 4849..4956, 5256..5351, 5615..5807, 6175..6344, 6398..6498, 6853..7157		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88052	Strand	+
Start	8169	End	9498
Name	OJ000303_08.0404.C7.o3.gs	Method	GENSCAN
Start	8169	End	9498
GI	none	Score	.58
Exons	8169..8182, 8962..9149, 9281..9498		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88053	Strand	+
Start	16185	End	16274
Name	OJ000303_08.0404.C7.o2.gp	Method	AAT/GAP
Start	16185	End	16274
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	16185..16274		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88054	Strand	+
Start	17062	End	24847
Name	OJ000303_08.0404.C7.o3.gp	Method	AAT/GAP
Start	16589	End	16802
GI	none	Score	376
Exons	16589..16802		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88054	Strand	+
Start	17062	End	24847
Name	OJ000303_08.0404.C7.o6.gs	Method	GENSCAN
Start	17062	End	24847
GI	none	Score	.57
Exons	17062..17161, 18155..18201, 18570..18660, 18996..19340,		

21789..21845, 22418..23060, 23093..24033, 24129..24847

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88055	Strand	+
Start	24820	End	25130
Name	OJ000303_08.0404.C7.o5.gp	Method	AAT/GAP
Start	24820	End	25130
GI	none	Score	552
Exons	24820..25130		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88056	Strand	+
Start	26212	End	30764
Name	OJ000303_08.0404.C7.o7.gs	Method	GENSCAN
Start	26212	End	30571
GI	none	Score	.84
Exons	26212..26369, 26656..26749, 26934..27137, 27279..27434, 27674..27751, 27872..28003, 28232..28312, 28477..28548, 28632..28721, 28900..29044, 29120..29208, 29347..29442, 29585..29652, 29736..29835, 29968..30027, 30419..30571		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88056	Strand	+
Start	26212	End	30764
Name	OJ000303_08.0404.C7.o6.gp	Method	AAT/GAP
Start	26494	End	28548
GI	7253_1.R1084	Score	1614
Exons	26494..26749, 26850..26946, 27040..27137, 27279..27434, 27674..27751, 27872..28003, 28232..28312, 28477..28548		
GI Descrip.	'4581156/gb|AAD24640.1|AC006919_18 0.0e+00 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88056	Strand	+
Start	26212	End	30764
Name	OJ000303_08.0404.C7.o8.gp	Method	AAT/GAP
Start	26544	End	28735
GI	7253_1.R1084	Score	1680
Exons	26544..26749, 26850..26946, 27040..27137, 27279..27434, 27674..27751, 27872..28003, 28232..28312, 28477..28548, 28632..28735		
GI Descrip.	'4581156/gb|AAD24640.1|AC006919_18 0.0e+00 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88056	Strand	+
Start	26212	End	30764
Name	OJ000303_08.0404.C7.o7.gp	Method	AAT/GAP
Start	26561	End	27087
GI	LIB3431-043-P1-K1-A7	Score	403
Exons	26561..26749, 26850..26946, 27040..27087		
GI Descrip.	'125606/sp|P22200|KPYC_SOLTU 2.0e-13 PYRUVATE KINASE, CYTOSOLIC ISOZYME >gi_100463_pir__S12248 pyruvate kinase (EC 2.7.1.40) - potato >gi_22576_emb_CAA37727_ (X53688) pyruvate kinase [Solanum tuberosum]'		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7

Gene No.	88056	Strand	+
Start	26212	End	30764
Name	OJ000303_08.0404.C7.o9.gp	Method	AAT/GAP
Start	26637	End	28731
GI	7253_1.R1084	Score	1485
Exons	26637..26749, 26850..26946, 27040..27137, 27279..27434, 27674..27751, 27872..28003, 28232..28312, 28477..28548, 28632..28731		
GI Descrip.	'4581156/gb|AAD24640.1|AC006919_18 0.0e+00 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88056	Strand	+
Start	26212	End	30764
Name	OJ000303_08.0404.C7.o10.gp	Method	AAT/GAP
Start	26850	End	28969
GI	7253_1.R1084	Score	1396
Exons	26850..26946, 27040..27137, 27279..27434, 27674..27751, 27872..28003, 28232..28312, 28477..28548, 28632..28721, 28900..28969		
GI Descrip.	'4581156/gb|AAD24640.1|AC006919_18 0.0e+00 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88056	Strand	+
Start	26212	End	30764
Name	OJ000303_08.0404.C7.o11.gp	Method	AAT/GAP
Start	29812	End	30764
GI	7253_4.R1084	Score	775
Exons	29812..29835, 29968..30027, 30419..30764		
GI Descrip.	'4581156/gb|AAD24640.1|AC006919_18 1.0e-33 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88057	Strand	+
Start	35936	End	36281
Name	OJ000303_08.0404.C7.o12.gp	Method	AAT/GAP
Start	35936	End	36281
GI	none	Score	660
Exons	35936..36281		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88058	Strand	-
Start	10997	End	11495
Name	OJ000303_08.0404.C7.o4.gs	Method	GENSCAN
Start	10997	End	11495
GI	none	Score	.93
Exons	10997..11228, 11308..11495		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88059	Strand	-
Start	11982	End	15696
Name	OJ000303_08.0404.C7.o5.gs	Method	GENSCAN
Start	11982	End	15696
GI	none	Score	.5
Exons	11982..12152, 12186..12230, 13000..13237, 14459..14621, 15642..15696		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88060	Strand	-
Start	15722	End	16184
Name	OJ000303_08.0404.C7.o1.gp	Method	AAT/GAP
Start	15722	End	16184
GI	LIB3432-059-P1-K1-D8	Score	724
Exons	15722..16184		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88061	Strand	-
Start	23250	End	23480
Name	OJ000303_08.0404.C7.o4.gp	Method	AAT/GAP
Start	23250	End	23480
GI	3762990	Score	437
Exons	23250..23480		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88062	Strand	-
Start	30845	End	40287
Name	OJ000303_08.0404.C7.o8.gs	Method	GENSCAN
Start	30845	End	40287
GI	none	Score	.5
Exons	30845..30903, 31347..31377, 32053..32088, 32947..33093, 33600..33808, 34784..35191, 35235..35343, 35418..35548, 35870..36253, 37222..37426, 37775..37927, 38006..38128, 38233..38417, 38797..38886, 39003..39182, 39398..39447, 40101..40287		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o5.tc	Method	TBLASTX:Cress
Start	22561	End	22815
GI	none	Score	256
Exons	22561..22815, 22563..22676		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o7.ts	Method	TBLASTX:Soybean
Start	22561	End	22818
GI	none	Score	116
Exons	22561..22695, 22690..22818		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o3.ts	Method	TBLASTX:Soybean
Start	23061	End	24195
GI	none	Score	103
Exons	23061..23168, 23590..23625, 23739..24035, 23786..23884, 23960..24034, 24122..24169, 24127..24195		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7

Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o1.tm	Method	TBLASTX:Maize
Start	23736	End	24766
GI	none	Score	129
Exons	23736..23891, 23928..24035, 24122..24223, 24244..24474, 24245..24475, 24554..24742, 24554..24766		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o1.tc	Method	TBLASTX:Cress
Start	23751	End	24742
GI	none	Score	109
Exons	23751..23870, 23886..24035, 24122..24217, 24227..24463, 24370..24468, 24548..24661, 24632..24742		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o1.ts	Method	TBLASTX:Soybean
Start	24199	End	24826
GI	none	Score	352
Exons	24199..24462, 24212..24466, 24545..24772, 24545..24826		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o4.tw	Method	TBLASTX:Wheat
Start	24557	End	24778
GI	none	Score	190
Exons	24557..24778, 24563..24652		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o3.tm	Method	TBLASTX:Maize
Start	26636	End	27142
GI	none	Score	39
Exons	26636..26659, 26654..26746, 26672..26761, 26674..26757, 26835..26945, 26849..26944, 27033..27140, 27038..27142		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o2.tc	Method	TBLASTX:Cress
Start	26678	End	27440
GI	none	Score	104
Exons	26678..26746, 26678..26743, 26680..26745, 26835..26945, 26849..26944, 26853..26945, 27033..27140, 27038..27142, 27272..27433, 27279..27440		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o6.ts	Method	TBLASTX:Soybean
Start	26678	End	30594

GI	none	Score	108
Exons	26678..26749, 26680..26748, 26835..26945, 26849..26944, 27032..27142, 27033..27140, 27272..27427, 27279..27440, 27671..27754, 27673..27753, 27836..28006, 27869..28006, 27886..28008, 27895..28011, 29778..29834, 29779..29841, 29952..30026, 29965..30081, 30418..30579, 30419..30571, 30439..30594		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o4.tm	Method	TBLASTX:Maize
Start	27265	End	40381
GI	none	Score	125
Exons	27265..27435, 27269..27424, 27272..27445, 27279..27440, 27655..27753, 27671..27754, 27836..28006, 27870..28001, 27871..28008, 28231..28308, 28232..28324, 28474..28548, 28476..28553, 28476..28547, 28612..28722, 28626..28754, 28630..28722, 28631..28723, 28873..29043, 28899..29042, 28912..29046, 29112..29243, 29119..29208, 29121..29210, 29326..29433, 29335..29445, 29345..29437, 29346..29444, 29584..29652, 29585..29653, 29733..29822, 29733..29834, 29734..29841, 29949..30026, 29958..30029, 29959..30027, 29965..30081, 30418..30588, 30419..30574, 30421..30612, 30633..30671, 30639..30671, 30640..30672, 30674..30715, 30678..30716, 30679..30732, 30754..30807, 30754..30810, 40159..40224, 40235..40381		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o3.tc	Method	TBLASTX:Cress
Start	27655	End	30594
GI	none	Score	135
Exons	27655..27753, 27671..27757, 27836..28006, 27869..28003, 27883..28008, 28229..28312, 28231..28308, 28446..28556, 28489..28557, 28629..28724, 28631..28723, 28893..29006, 28897..29031, 28899..29033, 28912..29046, 29112..29234, 29119..29208, 29335..29445, 29346..29444, 29584..29652, 29585..29653, 29608..29658, 29725..29832, 29733..29816, 29733..29834, 29734..29841, 29949..30017, 29965..30081, 30418..30594, 30419..30571		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o2.tw	Method	TBLASTX:Wheat
Start	27917	End	28940
GI	none	Score	144
Exons	27917..28003, 27919..28011, 27920..28006, 28229..28312, 28231..28332, 28232..28324, 28473..28547, 28474..28548, 28474..28548, 28626..28754, 28631..28723, 28893..28940, 28899..28940		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663

Name	OJ000303_08.0404.C7.o5.ts	Method	TBLASTX:Soybean
Start	28255	End	29778
GI	none	Score	74
Exons	28255..28335, 28256..28324, 28473..28586, 28477..28557, 28626..28724, 28631..28723, 28893..29006, 28897..29043, 28898..28924, 28899..29036, 28912..29046, 29118..29207, 29119..29214, 29121..29243, 29123..29209, 29335..29445, 29346..29444, 29584..29652, 29585..29653, 29608..29658, 29733..29777, 29734..29778		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o1.tw	Method	TBLASTX:Wheat
Start	29403	End	30574
GI	none	Score	70
Exons	29403..29444, 29407..29457, 29409..29441, 29584..29652, 29585..29653, 29733..29822, 29733..29834, 29734..29841, 29734..29844, 29949..30026, 29949..30017, 29962..30024, 29965..30081, 30418..30570, 30419..30571, 30419..30574		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o5.tm	Method	TBLASTX:Maize
Start	32089	End	32466
GI	none	Score	77
Exons	32089..32145, 32089..32154, 32094..32159, 32256..32456, 32257..32466, 32262..32465		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o3.tw	Method	TBLASTX:Wheat
Start	33434	End	34194
GI	none	Score	65
Exons	33434..33502, 33436..33504, 33597..33710, 33597..33788, 33768..33809, 33768..33809, 34138..34194		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o2.tm	Method	TBLASTX:Maize
Start	37098	End	39184
GI	none	Score	119
Exons	37098..37418, 37099..37341, 37100..37426, 37101..37427, 37772..37927, 37773..37928, 37773..37928, 37774..37929, 37973..38131, 38001..38054, 38005..38058, 38005..38160, 38075..38131, 38233..38418, 38233..38406, 38274..38420, 38797..38883, 38798..38887, 38799..38888, 38994..39176, 38995..39183, 39005..39184		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o4.ts	Method	TBLASTX:Soybean
Start	37109	End	37868

GI	none	Score	111
Exons	37109..37426, 37113..37247, 37308..37427, 37508..37552, 37772..37867, 37773..37868		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o2.ts	Method	TBLASTX:Soybean
Start	37883	End	38416
GI	none	Score	67
Exons	37883..37924, 37883..37927, 38015..38131, 38016..38045, 38075..38146, 38227..38409, 38230..38406, 38282..38416		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o4.tc	Method	TBLASTX:Cress
Start	38798	End	39175
GI	none	Score	89
Exons	38798..38887, 38799..38882, 38995..39174, 39005..39175		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o5.tw	Method	TBLASTX:Wheat
Start	39026	End	39187
GI	none	Score	166
Exons	39026..39187, 39026..39169, 39031..39183		

Seq. No.	42297	Seq. ID	OJ000303_08.0404.C7
Gene No.	88063	Strand	-
Start	41419	End	41663
Name	OJ000303_08.0404.C7.o13.gp	Method	AAT/GAP
Start	41419	End	41663
GI	53984_1.R1084	Score	460
Exons	41419..41663		
GI Descrip.	'6006895/gb|AAF00670.1|AC008153_22 8.0e-56 (AC008153) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88064	Strand	+
Start	9399	End	14042
Name	OJ000303_08.0404.C8.o3.np	Method	AAT/NAP
Start	9399	End	14042
GI	6069646	Score	476
Exons	9399..9437, 13641..14042		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88065	Strand	+
Start	15255	End	18655
Name	OJ000303_08.0404.C8.o3.gp	Method	AAT/GAP
Start	15103	End	18655

GI	1648_2.R1084	Score	1789
Exons	15103..15457, 17355..17595, 17721..17841, 17980..18095, 18356..18655		
GI Descrip.	'451193 1.0e-52 (L28008) wali7 [Triticum aestivum] >gi_1090845_prf__2019486B wali7 gene [Triticum aestivum]'		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88065	Strand	+
Start	15255	End	18655
Name	OJ000303_08.0404.C8.o5.gs	Method	GENSCAN
Start	15255	End	18095
GI	none	Score	.97
Exons	15255..15457, 17355..17595, 17721..17841, 17980..18095		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88065	Strand	+
Start	15255	End	18655
Name	OJ000303_08.0404.C8.o4.np	Method	AAT/NAP
Start	15258	End	18491
GI	7489671	Score	931
Exons	15258..15457, 17355..17595, 17721..17841, 17980..18095, 18356..18491		
GI Descrip.	hypothetical protein wali7 - wheat (fragment) gi|451193|gb|AAC37416.1| (L28008) wali7 [Triticum aestivum] gi|1090845|prf||2019486B wali7 gene [Triticum aestivum]		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o1.gp	Method	AAT/GAP
Start	1	End	1315
GI	53984_1.R1084	Score	1758
Exons	1..492, 785..943, 1045..1315		
GI Descrip.	'6006895/gb|AAF00670.1|AC008153_22 8.0e-56 (AC008153) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o1.np	Method	AAT/NAP
Start	104	End	4707
GI	6862912	Score	1091
Exons	104..492, 785..943, 1045..1440, 2749..2984, 4676..4707		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o1.gs	Method	GENSCAN
Start	114	End	3080
GI	none	Score	.63
Exons	114..510, 785..943, 1045..1440, 2749..3080		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o4.tm	Method	TBLASTX:Maize

Start	162	End	1442
GI	none	Score	83
Exons	162..245, 175..243, 1206..1319, 1305..1442		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o2.ts	Method	TBLASTX:Soybean
Start	171	End	476
GI	none	Score	110
Exons	171..287, 178..252, 285..362, 438..476		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o2.tc	Method	TBLASTX:Cress
Start	192	End	1281
GI	none	Score	76
Exons	192..299, 214..270, 285..374, 438..533, 445..495, 784..945, 785..949, 1047..1115, 1048..1116, 1092..1280, 1180..1281, 1213..1281		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o2.tm	Method	TBLASTX:Maize
Start	246	End	1204
GI	none	Score	211
Exons	246..533, 247..495, 784..942, 786..938, 787..939, 1031..1201, 1032..1202, 1044..1202, 1049..1204		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o1.tw	Method	TBLASTX:Wheat
Start	1047	End	2792
GI	none	Score	60
Exons	1047..1112, 1203..1286, 1290..1442, 2757..2792		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o3.ts	Method	TBLASTX:Soybean
Start	1224	End	2918
GI	none	Score	80
Exons	1224..1442, 1249..1386, 2746..2850, 2757..2918, 2862..2909		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o2.np	Method	AAT/NAP
Start	2713	End	16093
GI	7484961	Score	211
Exons	2713..2919, 3299..3325, 3847..3883, 4789..5066, 5190..5364, 6655..7152, 16071..16093		
GI Descrip.	extensin homolog T9E8.80 - Arabidopsis thaliana gi|4584539|emb|CAB40769.1| (AL049608) extensin-like protein		

[Arabidopsis thaliana] gi|7268037|emb|CAB78376.1| (AL161536) extensin-like protein [Arabidopsis thaliana]

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o3.tm	Method	TBLASTX:Maize
Start	2746	End	2918
GI	none	Score	120
Exons	2746..2865, 2760..2876, 2874..2918		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o2.gs	Method	GENSCAN
Start	4766	End	5431
GI	none	Score	.85
Exons	4766..5431		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o2.gp	Method	AAT/GAP
Start	5625	End	5996
GI	55507_1.R1084	Score	474
Exons	5625..5698, 5737..5996		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-16 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o3.gs	Method	GENSCAN
Start	5997	End	6523
GI	none	Score	.9
Exons	5997..6069, 6123..6523		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o5.tm	Method	TBLASTX:Maize
Start	13688	End	19133
GI	none	Score	90
Exons	13688..13786, 13827..14012, 18828..19040, 18969..19133		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o1.ts	Method	TBLASTX:Soybean
Start	15230	End	18101
GI	none	Score	199
Exons	15230..15406, 15243..15458, 17352..17516, 17352..17477, 17353..17595, 17359..17595, 17538..17597, 17721..17843, 17729..17842, 17979..18005, 18005..18097, 18006..18101		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-

Start	1	End	19133
Name	OJ000303_08.0404.C8.o1.tc	Method	TBLASTX:Cress
Start	15249	End	18101
GI	none	Score	215
Exons	15249..15458, 15251..15406, 17338..17595, 17353..17595, 17538..17597, 17720..17842, 17721..17843, 17979..18005, 18006..18101, 18008..18097, 18021..18101		

Seq. No.	42298	Seq. ID	OJ000303_08.0404.C8
Gene No.	88066	Strand	-
Start	1	End	19133
Name	OJ000303_08.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	15250	End	18487
GI	none	Score	82
Exons	15250..15291, 15251..15406, 15252..15458, 15433..15462, 17352..17444, 17352..17444, 17353..17472, 17440..17595, 17443..17583, 17709..17843, 17720..17842, 17978..18004, 17979..18005, 18006..18098, 18008..18097, 18011..18124, 18356..18397, 18362..18487, 18447..18479		

Seq. No.	42299	Seq. ID	OJ000223_02.0405.C5
Gene No.	88067	Strand	+
Start	1	End	505
Name	OJ000223_02.0405.C5.o1.np	Method	AAT/NAP
Start	1	End	505
GI	3810596	Score	261
Exons	1..505		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42299	Seq. ID	OJ000223_02.0405.C5
Gene No.	88068	Strand	-
Start	417	End	549
Name	OJ000223_02.0405.C5.o1.tw	Method	TBLASTX:Wheat
Start	12	End	364
GI	none	Score	62
Exons	12..245, 23..364, 157..246		

Seq. No.	42299	Seq. ID	OJ000223_02.0405.C5
Gene No.	88068	Strand	-
Start	417	End	549
Name	OJ000223_02.0405.C5.o1.tm	Method	TBLASTX:Maize
Start	14	End	469
GI	none	Score	250
Exons	14..316, 157..246, 284..469		

Seq. No.	42299	Seq. ID	OJ000223_02.0405.C5
Gene No.	88068	Strand	-
Start	417	End	549
Name	OJ000223_02.0405.C5.o1.gs	Method	GENSCAN
Start	417	End	549
GI	none	Score	.56
Exons	417..549		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88069	Strand	+
Start	1099	End	1235

Name	OJ000223_02.0405.C6.o1.np	Method	AAT/NAP
Start	1099	End	1235
GI	6815062	Score	64
Exons	1099..1235		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88070	Strand	+
Start	12081	End	18389
Name	OJ000223_02.0405.C6.o3.np	Method	AAT/NAP
Start	12081	End	17046
GI	7340884	Score	106
Exons	12081..12220, 12463..12509, 16964..17046		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88070	Strand	+
Start	12081	End	18389
Name	OJ000223_02.0405.C6.o5.np	Method	AAT/NAP
Start	16826	End	18389
GI	7486424	Score	93
Exons	16826..17069, 18356..18389		
GI Descrip.	hypothetical protein F4I1.15 - Arabidopsis thaliana gi|3128179|gb|AAC16083.1| (AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88070	Strand	+
Start	12081	End	18389
Name	OJ000223_02.0405.C6.o4.gs	Method	GENSCAN
Start	16841	End	17296
GI	none	Score	.83
Exons	16841..17296		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88071	Strand	+
Start	25635	End	30367
Name	OJ000223_02.0405.C6.o7.np	Method	AAT/NAP
Start	25635	End	30367
GI	6069646	Score	280
Exons	25635..25697, 29877..30367		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88071	Strand	+
Start	25635	End	30367
Name	OJ000223_02.0405.C6.o8.gs	Method	GENSCAN
Start	27272	End	30316
GI	none	Score	.69
Exons	27272..27486, 27987..28068, 28459..28555, 28697..28873,		

29193..29324, 30021..30067, 30230..30316

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88072	Strand	+
Start	31920	End	40167
Name	OJ000223_02.0405.C6.o9.gs	Method	GENSCAN
Start	31920	End	34187
GI	none	Score	.93
Exons	31920..32483, 32604..32820, 32927..33003, 33207..33246, 33437..33477, 33954..34187		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88072	Strand	+
Start	31920	End	40167
Name	OJ000223_02.0405.C6.o3.gp	Method	AAT/GAP
Start	32638	End	34146
GI	15158_1.R1084	Score	1082
Exons	32638..32820, 32927..33003, 33207..33246, 33549..33606, 33746..33815, 33954..34146		
GI Descrip.	'4519671/dbj|BAA75684.1| 7.0e-48 (AB017693) transfactor [Nicotiana tabacum]'		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88072	Strand	+
Start	31920	End	40167
Name	OJ000223_02.0405.C6.o8.np	Method	AAT/NAP
Start	32703	End	40167
GI	6598621	Score	298
Exons	32703..32820, 32927..33003, 33207..33246, 33546..33606, 33746..33815, 33954..34092, 38764..38938, 40138..40167		
GI Descrip.	(AC006837) transfactor-like protein [Arabidopsis thaliana]		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88073	Strand	-
Start	287	End	6062
Name	OJ000223_02.0405.C6.o1.gs	Method	GENSCAN
Start	287	End	6062
GI	none	Score	.53
Exons	287..436, 551..725, 1215..1378, 2161..2787, 5169..5585, 5973..6062		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88073	Strand	-
Start	287	End	6062
Name	OJ000223_02.0405.C6.o2.np	Method	AAT/NAP
Start	2150	End	6059
GI	6553892	Score	350
Exons	2150..2787, 5169..5279, 5313..5585, 5973..6059		
GI Descrip.	(AC012563) putative S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Arabidopsis thaliana]		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88074	Strand	-
Start	6752	End	11605
Name	OJ000223_02.0405.C6.o2.gs	Method	GENSCAN
Start	6752	End	11605
GI	none	Score	.54

Exons	6752..7255, 7895..8083, 8461..8569, 8926..9489, 9794..9860, 11512..11605		
Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88075	Strand	-
Start	13494	End	15625
Name	OJ000223_02.0405.C6.o4.np	Method	AAT/NAP
Start	13494	End	15625
GI	7523517	Score	195
Exons	13494..13529, 15139..15186, 15337..15625		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88076	Strand	-
Start	18238	End	20909
Name	OJ000223_02.0405.C6.o1.gp	Method	AAT/GAP
Start	18002	End	19854
GI	1451_1.R1084	Score	1400
Exons	18002..18348, 18704..18756, 19007..19223, 19486..19582, 19798..19854		
GI Descrip.	'2673904 3.0e-13 (AC002561) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88076	Strand	-
Start	18238	End	20909
Name	OJ000223_02.0405.C6.o5.gs	Method	GENSCAN
Start	18238	End	20909
GI	none	Score	.84
Exons	18238..18348, 18704..18756, 19073..19223, 19486..19582, 19798..19881, 20000..20121, 20688..20909		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88077	Strand	-
Start	21459	End	25633
Name	OJ000223_02.0405.C6.o6.gs	Method	GENSCAN
Start	21459	End	22268
GI	none	Score	.63
Exons	21459..22268		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88077	Strand	-
Start	21459	End	25633
Name	OJ000223_02.0405.C6.o6.np	Method	AAT/NAP
Start	21459	End	24279
GI	5441893	Score	901
Exons	21459..22245, 23188..23248, 24204..24279		
GI Descrip.	(AP000367) ESTs C99174(E10437),D22295(C10709) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC005314) [Oryza sativa]		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88077	Strand	-
Start	21459	End	25633
Name	OJ000223_02.0405.C6.o2.gp	Method	AAT/GAP
Start	22736	End	24410
GI	2442724	Score	475

Exons	22736..22760, 23187..23248, 24204..24410		
Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88077	Strand	-
Start	21459	End	25633
Name	OJ000223_02.0405.C6.o7.gs	Method	GENSCAN
Start	23928	End	25633
GI	none	Score	.73
Exons	23928..24145, 24204..24292, 24981..25633		
Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88078	Strand	-
Start	34845	End	35527
Name	OJ000223_02.0405.C6.o4.gp	Method	AAT/GAP
Start	34845	End	35527
GI	none	Score	916
Exons	34845..35195, 35407..35527		
Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o3.ts	Method	TBLASTX:Soybean
Start	2659	End	5382
GI	4396917	Score	83
Exons	2659..2796, 5166..5270, 5167..5277, 5316..5381, 5317..5382		
GI Descrip.	2982464/emb_CAA18228_ 3.0e-23 (AL022223) putative protein [Arabidopsis thaliana]		
Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o3.tm	Method	TBLASTX:Maize
Start	18235	End	20731
GI	none	Score	146
Exons	18235..18348, 18236..18349, 18236..18349, 18701..18766, 18972..19223, 19004..19114, 19006..19221, 19474..19581, 19487..19582, 19487..19591, 19750..19884, 19797..19880, 20000..20062, 20020..20061, 20068..20121, 20069..20119, 20687..20731		
Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o4.ts	Method	TBLASTX:Soybean
Start	19501	End	20754
GI	none	Score	103
Exons	19501..19575, 19797..19880, 19798..19884, 19991..20116, 20000..20119, 20020..20121, 20683..20754		
Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o1.tm	Method	TBLASTX:Maize
Start	21446	End	24295
GI	none	Score	139
Exons	21446..21565, 21450..21566, 21457..21558, 21465..21524, 21640..21879, 21642..21878, 21900..21953, 21928..21951,		

21960..22112, 21963..22112, 21979..22038, 21993..22142,
22005..22082, 22106..22234, 22107..22235, 22107..22262,
22111..22287, 22165..22248, 23188..23250, 23189..23245,
23190..23246, 24199..24291, 24200..24295

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o1.ts	Method	TBLASTX:Soybean
Start	21471	End	23249
GI	none	Score	70
Exons	21471..21566, 21475..21558, 21480..21524, 21639..21878, 21645..21875, 21649..21876, 21956..22066, 21963..22076, 21964..22074, 21984..22037, 22005..22076, 22143..22262, 22177..22305, 23172..23249		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o1.tw	Method	TBLASTX:Wheat
Start	21471	End	22263
GI	none	Score	106
Exons	21471..21524, 21966..22091, 21982..22074, 22005..22076, 22134..22262, 22168..22263		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o2.tw	Method	TBLASTX:Wheat
Start	24963	End	25198
GI	none	Score	199
Exons	24963..25097, 24963..25094, 25154..25198		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o4.tm	Method	TBLASTX:Maize
Start	29886	End	30379
GI	none	Score	154
Exons	29886..30155, 30152..30379		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o6.tm	Method	TBLASTX:Maize
Start	32744	End	33060
GI	none	Score	101
Exons	32744..32833, 32745..32822, 32854..33006, 32923..33060		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o10.gs	Method	GENSCAN
Start	35671	End	38665
GI	none	Score	.96
Exons	35671..35683, 36135..36285, 36375..36543, 36654..36759, 38082..38665		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o2.tm	Method	TBLASTX:Maize
Start	36114	End	36699
GI	none	Score	120
Exons	36114..36215, 36116..36217, 36116..36214, 36215..36286, 36374..36535, 36375..36536, 36376..36537, 36639..36698, 36658..36699		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o2.ts	Method	TBLASTX:Soybean
Start	36366	End	38569
GI	none	Score	112
Exons	36366..36545, 36373..36555, 36376..36489, 36411..36548, 36609..36767, 36658..36744, 38486..38569		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o1.tc	Method	TBLASTX:Cress
Start	36373	End	36546
GI	none	Score	123
Exons	36373..36546, 36377..36544, 36493..36546		

Seq. No.	42300	Seq. ID	OJ000223_02.0405.C6
Gene No.	88079	Strand	-
Start	35671	End	38707
Name	OJ000223_02.0405.C6.o5.tm	Method	TBLASTX:Maize
Start	38481	End	38707
GI	none	Score	208
Exons	38481..38669, 38486..38668, 38519..38707		

Seq. No.	42301	Seq. ID	OJ000223_02.0405.C7
Gene No.	88080	Strand	+
Start	329	End	8053
Name	OJ000223_02.0405.C7.o1.np	Method	AAT/NAP
Start	329	End	2990
GI	2494610	Score	1299
Exons	329..631, 987..1086, 1353..1582, 2055..2222, 2291..2524, 2717..2990		
GI Descrip.	CELL DIVISION PROTEIN FTSZ CHLOROPLAST HOMOLOG PRECURSOR gi|1079732 (U39877) cpFtsZ [Arabidopsis thaliana]		

Seq. No.	42301	Seq. ID	OJ000223_02.0405.C7
Gene No.	88080	Strand	+
Start	329	End	8053
Name	OJ000223_02.0405.C7.o1.gs	Method	GENSCAN
Start	416	End	8053
GI	none	Score	.81
Exons	416..631, 987..1086, 1353..1466, 2026..2222, 2291..2524, 2717..2929, 4099..4141, 4662..4839, 5403..5455, 5667..5805, 7182..7261, 7821..8053		

Seq. No.	42301	Seq. ID	OJ000223_02.0405.C7
Gene No.	88080	Strand	+
Start	329	End	8053
Name	OJ000223_02.0405.C7.o1.gp	Method	AAT/GAP
Start	2103	End	2901
GI	72509_1.R1084	Score	989
Exons	2103..2222, 2291..2524, 2717..2901		
GI Descrip.	'2494610/sp|Q42545|FTSZ_ARATH 9.0e-72 CELL DIVISION PROTEIN FTSZ CHLOROPLAST HOMOLOG PRECURSOR >gi_1079732 (U39877) cpFtsZ [Arabidopsis thaliana]'		

Seq. No.	42301	Seq. ID	OJ000223_02.0405.C7
Gene No.	88081	Strand	-
Start	7579	End	10834
Name	OJ000223_02.0405.C7.o1.tc	Method	TBLASTX:Cress
Start	503	End	2878
GI	none	Score	86
Exons	503..631, 984..1088, 992..1090, 1351..1446, 1352..1585, 1486..1578, 2052..2225, 2053..2205, 2108..2221, 2139..2225, 2285..2527, 2290..2535, 2707..2868, 2708..2878		

Seq. No.	42301	Seq. ID	OJ000223_02.0405.C7
Gene No.	88081	Strand	-
Start	7579	End	10834
Name	OJ000223_02.0405.C7.o2.ts	Method	TBLASTX:Soybean
Start	1351	End	1561
GI	none	Score	216
Exons	1351..1446, 1352..1549, 1443..1508, 1486..1557, 1541..1561		

Seq. No.	42301	Seq. ID	OJ000223_02.0405.C7
Gene No.	88081	Strand	-
Start	7579	End	10834
Name	OJ000223_02.0405.C7.o1.tm	Method	TBLASTX:Maize
Start	1376	End	2821
GI	none	Score	170
Exons	1376..1585, 2052..2225, 2108..2224, 2285..2527, 2293..2511, 2714..2821		

Seq. No.	42301	Seq. ID	OJ000223_02.0405.C7
Gene No.	88081	Strand	-
Start	7579	End	10834
Name	OJ000223_02.0405.C7.o1.ts	Method	TBLASTX:Soybean
Start	2052	End	2821
GI	none	Score	174
Exons	2052..2225, 2108..2221, 2285..2527, 2290..2511, 2714..2821		

Seq. No.	42301	Seq. ID	OJ000223_02.0405.C7
Gene No.	88081	Strand	-
Start	7579	End	10834
Name	OJ000223_02.0405.C7.o1.tw	Method	TBLASTX:Wheat
Start	2052	End	2527
GI	none	Score	190
Exons	2052..2225, 2108..2224, 2285..2527, 2293..2511		

Seq. No.	42301	Seq. ID	OJ000223_02.0405.C7
Gene No.	88081	Strand	-
Start	7579	End	10834

Name	OJ000223_02.0405.C7.o2.np	Method	AAT/NAP
Start	7579	End	10834
GI	7339707	Score	82
Exons	7579..7710, 9161..9280, 10808..10834		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42301	Seq. ID	OJ000223_02.0405.C7
Gene No.	88081	Strand	-
Start	7579	End	10834
Name	OJ000223_02.0405.C7.o2.gs	Method	GENSCAN
Start	8308	End	9190
GI	none	Score	.93
Exons	8308..8477, 9037..9190		

Seq. No.	42302	Seq. ID	OJ000223_02.0405.C8
Gene No.	88082	Strand	+
Start	99	End	1167
Name	OJ000223_02.0405.C8.o1.gs	Method	GENSCAN
Start	99	End	1167
GI	none	Score	.48
Exons	99..296, 1003..1167		

Seq. No.	42303	Seq. ID	OJ000223_02.0405.C9
Gene No.	88083	Strand	+
Start	1690	End	4600
Name	OJ000223_02.0405.C9.o2.np	Method	AAT/NAP
Start	1690	End	4473
GI	6553892	Score	446
Exons	1690..1788, 2588..2848, 2915..3586, 4405..4473		
GI Descrip.	(AC012563) putative S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Arabidopsis thaliana]		

Seq. No.	42303	Seq. ID	OJ000223_02.0405.C9
Gene No.	88083	Strand	+
Start	1690	End	4600
Name	OJ000223_02.0405.C9.o1.gp	Method	AAT/GAP
Start	4335	End	4600
GI	uC-osflcyp080h06a1	Score	511
Exons	4335..4600		
GI Descrip.	'4105124/gb|AF043347|AF043347 3.0e-17 Zea mays cell wall invertase (incw4) gene, complete cds'		

Seq. No.	42303	Seq. ID	OJ000223_02.0405.C9
Gene No.	88084	Strand	-
Start	765	End	1228
Name	OJ000223_02.0405.C9.o1.np	Method	AAT/NAP
Start	765	End	1228
GI	6006381	Score	190
Exons	765..936, 963..1228		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	42303	Seq. ID	OJ000223_02.0405.C9
Gene No.	88085	Strand	-
Start	5371	End	5703
Name	OJ000223_02.0405.C9.o1.tc	Method	TBLASTX:Cress
Start	1705	End	2839
GI	none	Score	79

Exons 1705..1776, 2588..2659, 2642..2839, 2650..2829

Seq. No. 42303 Seq. ID OJ000223_02.0405.C9
Gene No. 88085 Strand -
Start 5371 End 5703
Name OJ000223_02.0405.C9.o1.ts Method TBLASTX:Soybean
Start 2776 End 3154
GI 4396917 Score 125
Exons 2776..2847, 2777..2851, 2918..3154, 2929..3132, 2951..3154
GI Descrip. 2982464/emb_CAA18228_ 3.0e-23 (AL022223) putative protein [Arabidopsis thaliana]

Seq. No. 42303 Seq. ID OJ000223_02.0405.C9
Gene No. 88085 Strand -
Start 5371 End 5703
Name OJ000223_02.0405.C9.o2.gs Method GENSCAN
Start 5371 End 5703
GI none Score .42
Exons 5371..5376, 5701..5703

Seq. No. 42304 Seq. ID OJ000223_02.0405.C10
Gene No. 88086 Strand +
Start 1656 End 4726
Name OJ000223_02.0405.C10.o1.np Method AAT/NAP
Start 1656 End 4726
GI 5052007 Score 1956
Exons 1656..1821, 2206..3089, 3178..3581, 3686..3779, 3857..4039, 4658..4726
GI Descrip. (AF155121) apoplastic invertase [Oryza sativa subsp. indica]

Seq. No. 42304 Seq. ID OJ000223_02.0405.C10
Gene No. 88086 Strand +
Start 1656 End 4726
Name OJ000223_02.0405.C10.o2.gs Method GENSCAN
Start 1740 End 4069
GI none Score .79
Exons 1740..1821, 2215..3089, 3178..3581, 3686..3779, 3857..4069

Seq. No. 42304 Seq. ID OJ000223_02.0405.C10
Gene No. 88086 Strand +
Start 1656 End 4726
Name OJ000223_02.0405.C10.o2.gp Method AAT/GAP
Start 3295 End 3934
GI LIB3433-054-P1-K1-G10 Score 807
Exons 3295..3581, 3686..3779, 3857..3934
GI Descrip. '480566/pir||S37047 5.0e-35 beta-fructofuranosidase (EC 3.2.1.26) - potato >gi_397631_emb_CAA80358_ (Z22645) beta-fructofuranosidase [Solanum tuberosum]'

Seq. No. 42304 Seq. ID OJ000223_02.0405.C10
Gene No. 88087 Strand +
Start 4866 End 10161
Name OJ000223_02.0405.C10.o3.gs Method GENSCAN
Start 4866 End 10161
GI none Score .9
Exons 4866..5019, 5286..6178, 6279..6682, 6819..6912, 6993..7205, 8076..8227, 8346..8397, 8404..8487, 9032..9157, 9360..9552,

9700..9940, 9993..10161

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88087	Strand	+
Start	4866	End	10161
Name	OJ000223_02.0405.C10.o2.np	Method	AAT/NAP
Start	4872	End	7244
GI	5052007	Score	1952
Exons	4872..5023, 5281..6178, 6279..6682, 6819..6912, 6993..7244		
GI Descrip.	(AF155121) apoplastic invertase [Oryza sativa subsp. indica]		

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88088	Strand	+
Start	11040	End	12419
Name	OJ000223_02.0405.C10.o5.np	Method	AAT/NAP
Start	11040	End	12419
GI	6721561	Score	131
Exons	11040..11130, 12045..12419		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88089	Strand	-
Start	498	End	856
Name	OJ000223_02.0405.C10.o1.gp	Method	AAT/GAP
Start	498	End	784
GI	uC-osflcyp080h06a1	Score	230
Exons	498..571, 721..784		
GI Descrip.	'4105124/gb|AF043347|AF043347 3.0e-17 Zea mays cell wall invertase (incw4) gene, complete cds'		

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88089	Strand	-
Start	498	End	856
Name	OJ000223_02.0405.C10.o1.gs	Method	GENSCAN
Start	498	End	856
GI	none	Score	.6
Exons	498..571, 721..856		

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88090	Strand	-
Start	10918	End	11007
Name	OJ000223_02.0405.C10.o1.tm	Method	TBLASTX:Maize
Start	1737	End	7184
GI	none	Score	64
Exons	1737..1820, 2214..2279, 2276..2488, 2286..2546, 2463..2525, 2577..2804, 2582..2803, 2820..2846, 2865..2918, 2943..3104, 3166..3372, 3187..3363, 3382..3408, 3462..3530, 3463..3534, 3706..3768, 3856..3933, 3857..3925, 3947..4033, 3955..4029, 4977..5018, 4979..5026, 5282..5350, 5284..5349, 5347..5616, 5357..5617, 5533..5634, 5617..5829, 5618..5893, 6023..6175, 6273..6368, 6284..6364, 6383..6463, 6384..6566, 6444..6563, 6563..6652, 6564..6635, 6633..6683, 6810..6908, 6811..6897, 6980..7069, 6993..7061, 7019..7183, 7020..7184		

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88090	Strand	-
Start	10918	End	11007
Name	OJ000223_02.0405.C10.o1.ts	Method	TBLASTX:Soybean
Start	1737	End	7184
GI	none	Score	64
Exons	1737..1820, 2214..2279, 2276..2488, 2286..2546, 2463..2525, 2577..2804, 2582..2803, 2820..2846, 2865..2918, 2943..3104, 3166..3372, 3187..3363, 3382..3408, 3462..3530, 3463..3534, 3706..3768, 3856..3933, 3857..3925, 3947..4033, 3955..4029, 4977..5018, 4979..5026, 5282..5350, 5284..5349, 5347..5616, 5357..5617, 5533..5634, 5617..5829, 5618..5893, 6023..6175, 6273..6368, 6284..6364, 6383..6463, 6384..6566, 6444..6563, 6563..6652, 6564..6635, 6633..6683, 6810..6908, 6811..6897, 6980..7069, 6993..7061, 7019..7183, 7020..7184		

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88090	Strand	-
Start	10918	End	11007
Name	OJ000223_02.0405.C10.o1.tw	Method	TBLASTX:Wheat
Start	1779	End	5515
GI	none	Score	65
Exons	1779..1820, 1787..1819, 2214..2444, 2261..2443, 4965..5018, 4987..5028, 4988..5017, 5282..5515, 5284..5499, 5357..5515		

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88090	Strand	-
Start	10918	End	11007
Name	OJ000223_02.0405.C10.o1.tc	Method	TBLASTX:Cress
Start	2214	End	7169
GI	none	Score	88
Exons	2214..2279, 2285..2488, 2286..2549, 2564..2623, 2571..2810, 2675..2809, 2823..2918, 2961..3101, 3166..3270, 3274..3375, 3418..3537, 3684..3764, 3856..4005, 3857..4033, 4967..5017, 4977..5018, 5282..5350, 5284..5346, 5356..5631, 5357..5617, 5633..5866, 5650..5838, 5867..5989, 5908..5988, 6044..6178, 6055..6171, 6273..6500, 6284..6364, 6401..6460, 6513..6638, 6624..6683, 6980..7060, 6993..7169		

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88090	Strand	-
Start	10918	End	11007
Name	OJ000223_02.0405.C10.o3.tw	Method	TBLASTX:Wheat
Start	2961	End	6476
GI	none	Score	135
Exons	2961..3104, 3211..3375, 6044..6178, 6049..6162, 6225..6359, 6312..6359, 6378..6476		

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88090	Strand	-
Start	10918	End	11007
Name	OJ000223_02.0405.C10.o2.tw	Method	TBLASTX:Wheat
Start	3424	End	7169
GI	none	Score	106
Exons	3424..3543, 3456..3536, 3538..3582, 3684..3782, 3856..4032, 3857..4033, 3857..4033, 6548..6637, 6549..6638, 6651..6683,		

6817..6915, 6970..7107, 6980..7162, 6993..7169

Seq. No.	42304	Seq. ID	OJ000223_02.0405.C10
Gene No.	88090	Strand	-
Start	10918	End	11007
Name	OJ000223_02.0405.C10.o4.np	Method	AAT/NAP
Start	10918	End	11007
GI	4680183	Score	125
Exons	10918..11007		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42305	Seq. ID	OJ000223_02.0405.C11
Gene No.	88091	Strand	+
Start	1	End	1593
Name	OJ000223_02.0405.C11.o1.np	Method	AAT/NAP
Start	1	End	1563
GI	7484692	Score	415
Exons	1..89, 404..1563		
GI Descrip.	anthranilate N-benzoyltransferase (EC 2.3.1.144) - clove pink gi|2239089|emb|CAB06430.1| (Z84386) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] gi|3288180|emb|CAB11466.1| (Z98758) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]		

Seq. No.	42305	Seq. ID	OJ000223_02.0405.C11
Gene No.	88091	Strand	+
Start	1	End	1593
Name	OJ000223_02.0405.C11.o1.gs	Method	GENSCAN
Start	253	End	1593
GI	none	Score	.99
Exons	253..1593		

Seq. No.	42305	Seq. ID	OJ000223_02.0405.C11
Gene No.	88092	Strand	-
Start	1233	End	3689
Name	OJ000223_02.0405.C11.o2.np	Method	AAT/NAP
Start	1233	End	3689
GI	131271	Score	143
Exons	1233..1347, 3244..3411, 3546..3689		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi|72705|pir||QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast gi|12013|emb|CAA33973| (X15901) PSII 47kDa protein [Oryza sativa] gi|226634|prf||1603356BH photosystem II 47kD protein [Oryza sativa]		

Seq. No.	42305	Seq. ID	OJ000223_02.0405.C11
Gene No.	88093	Strand	-
Start	3847	End	5337
Name	OJ000223_02.0405.C11.o1.tm	Method	TBLASTX:Maize
Start	247	End	5200
GI	none	Score	100
Exons	247..396, 252..356, 253..546, 453..614, 457..615, 4834..5199, 4855..5196, 4919..5200		

Seq. No.	42305	Seq. ID	OJ000223_02.0405.C11
Gene No.	88093	Strand	-
Start	3847	End	5337

Name	OJ000223_02.0405.C11.o1.ts	Method	TBLASTX:Soybean
Start	451	End	5028
GI	none	Score	73
Exons	451..624, 610..798, 651..812, 1003..1284, 1080..1280, 1315..1557, 1353..1496, 3868..4110, 3929..4072, 4141..4482, 4145..4348, 4594..4623, 4642..4815, 4825..5028		

Seq. No.	42305	Seq. ID	OJ000223_02.0405.C11
Gene No.	88093	Strand	-
Start	3847	End	5337
Name	OJ000223_02.0405.C11.o2.tm	Method	TBLASTX:Maize
Start	628	End	4803
GI	none	Score	101
Exons	628..798, 651..812, 1003..1200, 1005..1256, 4225..4482, 4241..4444, 4594..4623, 4642..4803		

Seq. No.	42305	Seq. ID	OJ000223_02.0405.C11
Gene No.	88093	Strand	-
Start	3847	End	5337
Name	OJ000223_02.0405.C11.o1.tw	Method	TBLASTX:Wheat
Start	651	End	4789
GI	none	Score	136
Exons	651..770, 652..765, 783..857, 784..1077, 927..1058, 4360..4437, 4429..4497, 4579..4656, 4582..4635, 4666..4788, 4667..4789		

Seq. No.	42305	Seq. ID	OJ000223_02.0405.C11
Gene No.	88093	Strand	-
Start	3847	End	5337
Name	OJ000223_02.0405.C11.o2.gs	Method	GENSCAN
Start	3847	End	5196
GI	none	Score	.99
Exons	3847..5196		

Seq. No.	42305	Seq. ID	OJ000223_02.0405.C11
Gene No.	88093	Strand	-
Start	3847	End	5337
Name	OJ000223_02.0405.C11.o3.np	Method	AAT/NAP
Start	3862	End	5337
GI	7484689	Score	402
Exons	3862..5031, 5143..5337		
GI Descrip.	anthranilate N-benzoyltransferase (EC 2.3.1.144) (clone pchcbt1) - clove pink gi|2239083|emb|CAB06427.1| (Z84383) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] gi|2239087|emb|CAB06429.1| (Z84385) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]		

Seq. No.	42306	Seq. ID	OJ000223_02.0405.C14
Gene No.	88094	Strand	-
Start	171	End	727
Name	OJ000223_02.0405.C14.o1.np	Method	AAT/NAP
Start	171	End	727
GI	7489162	Score	570
Exons	171..504, 582..727		
GI Descrip.	kinesin-related protein tck1 - common tobacco gi|1491931|gb|AAC49393.1| (U52078) kinesin-like protein [Nicotiana tabacum]		

Seq. No.	42306	Seq. ID	OJ000223_02.0405.C14
Gene No.	88094	Strand	-
Start	171	End	727
Name	OJ000223_02.0405.C14.o1.tm	Method	TBLASTX:Maize
Start	171	End	325
GI	none	Score	218
Exons	171..317, 172..324, 173..325,	177..323,	202..324

Seq. No.	42306	Seq. ID	OJ000223_02.0405.C14
Gene No.	88094	Strand	-
Start	171	End	727
Name	OJ000223_02.0405.C14.o1.tc	Method	TBLASTX:Cress
Start	174	End	701
GI	none	Score	154
Exons	174..488, 174..506, 274..507, 582..701	410..511,	560..700, 578..700,

Seq. No.	42306	Seq. ID	OJ000223_02.0405.C14
Gene No.	88094	Strand	-
Start	171	End	727
Name	OJ000223_02.0405.C14.o1.gs	Method	GENSCAN
Start	177	End	727
GI	none	Score	.91
Exons	177..504, 582..727		

Seq. No.	42307	Seq. ID	OJ000223_02.0405.C15
Gene No.	88095	Strand	+
Start	171	End	662
Name	OJ000223_02.0405.C15.o1.gp	Method	AAT/GAP
Start	171	End	662
GI	none	Score	980
Exons	171..662		

Seq. No.	42307	Seq. ID	OJ000223_02.0405.C15
Gene No.	88096	Strand	-
Start	1224	End	1484
Name	OJ000223_02.0405.C15.o1.gs	Method	GENSCAN
Start	1224	End	1484
GI	none	Score	.88
Exons	1224..1253, 1314..1484		

Seq. No.	42308	Seq. ID	OJ000223_02.0405.C16
Gene No.	88097	Strand	+
Start	959	End	1203
Name	OJ000223_02.0405.C16.o1.gs	Method	GENSCAN
Start	959	End	1203
GI	none	Score	.94
Exons	959..1203		

Seq. No.	42308	Seq. ID	OJ000223_02.0405.C16
Gene No.	88097	Strand	+
Start	959	End	1203
Name	OJ000223_02.0405.C16.o1.np	Method	AAT/NAP
Start	995	End	1203
GI	3834324	Score	195
Exons	995..1203		
GI Descrip.	(AC005679) Similar to gb|X92762 tafazzins protein from Homo		

sapiens. [Arabidopsis thaliana]

Seq. No.	42309	Seq. ID	OJ000223_02.0405.C17
Gene No.	88098	Strand	+
Start	801	End	1097
Name	OJ000223_02.0405.C17.o1.np	Method	AAT/NAP
Start	801	End	1097
GI	3834324	Score	184
Exons	801..892, 1010..1097		
GI Descrip.	(AC005679) Similar to gb|X92762 tafazzins protein from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	42310	Seq. ID	OJ000223_02.0405.C18
Gene No.	88099	Strand	-
Start	329	End	551
Name	OJ000223_02.0405.C18.o1.gs	Method	GENSCAN
Start	329	End	551
GI	none	Score	.82
Exons	329..551		

Seq. No.	42311	Seq. ID	OJ000223_02.0405.C19
Gene No.	88100	Strand	+
Start	550	End	2315
Name	OJ000223_02.0405.C19.o1.gs	Method	GENSCAN
Start	550	End	2315
GI	none	Score	.83
Exons	550..704, 834..1034, 1683..2315		

Seq. No.	42311	Seq. ID	OJ000223_02.0405.C19
Gene No.	88101	Strand	-
Start	2941	End	4648
Name	OJ000223_02.0405.C19.o1.ts	Method	TBLASTX:Soybean
Start	1674	End	4648
GI	4396917	Score	165
Exons	1674..1811, 1680..1808, 1682..1810, 4452..4520, 4457..4519, 4535..4648, 4564..4647		
GI Descrip.	2982464/emb_CAA18228_ 3.0e-23 (AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	42311	Seq. ID	OJ000223_02.0405.C19
Gene No.	88101	Strand	-
Start	2941	End	4648
Name	OJ000223_02.0405.C19.o2.gs	Method	GENSCAN
Start	2941	End	4539
GI	none	Score	.46
Exons	2941..3060, 3949..4104, 4335..4539		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88102	Strand	+
Start	1	End	10294
Name	OJ000223_02.0405.C20.o1.np	Method	AAT/NAP
Start	1	End	3140
GI	7486781	Score	195
Exons	1..21, 759..1339, 3120..3140		
GI Descrip.	hypothetical protein M3E9.150 - Arabidopsis thaliana gi|2982464|emb|CAA18228.1| (AL022223) putative protein [Arabidopsis thaliana] gi|7269494|emb|CAB79497.1| (AL161565)		

putative protein [Arabidopsis thaliana]

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88102	Strand	+
Start	1	End	10294
Name	OJ000223_02.0405.C20.o1.gs	Method	GENSCAN
Start	767	End	1390
GI	none	Score	.9
Exons	767..1390		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88102	Strand	+
Start	1	End	10294
Name	OJ000223_02.0405.C20.o2.gs	Method	GENSCAN
Start	2255	End	10294
GI	none	Score	.48
Exons	2255..2414, 4426..4535, 4757..5194, 5270..5908, 6514..6613, 6905..7016, 7536..7883, 8164..8200, 8313..8459, 8530..8588, 8755..9387, 9524..9669, 9780..10294		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88102	Strand	+
Start	1	End	10294
Name	OJ000223_02.0405.C20.o1.gp	Method	AAT/GAP
Start	4420	End	4850
GI	none	Score	314
Exons	4420..4535, 4757..4850		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88102	Strand	+
Start	1	End	10294
Name	OJ000223_02.0405.C20.o2.np	Method	AAT/NAP
Start	4449	End	5837
GI	7486781	Score	385
Exons	4449..4535, 4757..5194, 5270..5837		
GI Descrip.	hypothetical protein M3E9.150 - Arabidopsis thaliana gi|2982464|emb|CAA18228.1| (AL022223) putative protein [Arabidopsis thaliana] gi|7269494|emb|CAB79497.1| (AL161565) putative protein [Arabidopsis thaliana]		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88102	Strand	+
Start	1	End	10294
Name	OJ000223_02.0405.C20.o3.np	Method	AAT/NAP
Start	8204	End	9388
GI	6721561	Score	1099
Exons	8204..8459, 8530..8588, 8662..9388		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88103	Strand	+
Start	17223	End	17493
Name	OJ000223_02.0405.C20.o5.np	Method	AAT/NAP

Start	17223	End	17493
GI	6721512	Score	98
Exons	17223..17324, 17353..17493		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o1.ts	Method	TBLASTX:Soybean
Start	758	End	5398
GI	4396917	Score	163
Exons	758..895, 766..894, 4976..5044, 4981..5043, 5093..5197, 5107..5196, 5269..5397, 5270..5398		
GI Descrip.	2982464/emb_CAA18228_ 3.0e-23 (AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o3.gs	Method	GENSCAN
Start	10910	End	17758
GI	none	Score	.57
Exons	10910..11758, 11844..11920, 11926..12399, 12452..13381, 13596..13720, 13786..14015, 14182..14666, 14772..15489, 15605..15780, 15946..16557, 16729..17109, 17192..17265, 17410..17758		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o4.np	Method	AAT/NAP
Start	10913	End	17279
GI	7228457	Score	3124
Exons	10913..12462, 12503..14150, 14205..15731, 17227..17279		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o3.tw	Method	TBLASTX:Wheat
Start	10922	End	11530
GI	none	Score	64
Exons	10922..11053, 10923..11048, 11078..11530, 11274..11381, 11427..11516		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o4.tm	Method	TBLASTX:Maize
Start	11045	End	11308
GI	none	Score	189
Exons	11045..11308		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-

Start	10910	End	17758
Name	OJ000223_02.0405.C20.o5.tw	Method	TBLASTX:Wheat
Start	11654	End	12037
GI	none	Score	187
Exons	11654..12037, 11655..12029		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o2.tm	Method	TBLASTX:Maize
Start	11732	End	12037
GI	none	Score	157
Exons	11732..12037, 11733..12020		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o8.tw	Method	TBLASTX:Wheat
Start	12179	End	12505
GI	none	Score	90
Exons	12179..12505, 12246..12503		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o6.tw	Method	TBLASTX:Wheat
Start	12513	End	12921
GI	none	Score	41
Exons	12513..12578, 12513..12686, 12694..12921, 12696..12920		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o2.ts	Method	TBLASTX:Soybean
Start	13011	End	13406
GI	none	Score	287
Exons	13011..13406		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o2.tw	Method	TBLASTX:Wheat
Start	13068	End	13490
GI	none	Score	286
Exons	13068..13490, 13072..13443, 13086..13487		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o3.tm	Method	TBLASTX:Maize
Start	13164	End	13547
GI	none	Score	133
Exons	13164..13547, 13165..13443		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758

Name	OJ000223_02.0405.C20.o1.tm	Method	TBLASTX:Maize
Start	13575	End	13931
GI	none	Score	230
Exons	13575..13931, 13576..13869, 13626..13877		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o1.tw	Method	TBLASTX:Wheat
Start	13605	End	14043
GI	none	Score	360
Exons	13605..14042, 13606..14043		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o3.ts	Method	TBLASTX:Soybean
Start	13656	End	14021
GI	none	Score	109
Exons	13656..13790, 13797..14021		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o4.tw	Method	TBLASTX:Wheat
Start	14251	End	14706
GI	none	Score	112
Exons	14251..14487, 14266..14475, 14369..14485, 14524..14706, 14525..14698		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o7.tw	Method	TBLASTX:Wheat
Start	15337	End	15733
GI	none	Score	56
Exons	15337..15513, 15510..15548, 15569..15682, 15683..15733		

Seq. No.	42312	Seq. ID	OJ000223_02.0405.C20
Gene No.	88104	Strand	-
Start	10910	End	17758
Name	OJ000223_02.0405.C20.o6.np	Method	AAT/NAP
Start	17211	End	17707
GI	7523517	Score	256
Exons	17211..17265, 17410..17707		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42313	Seq. ID	OJ000223_02.0405.C21
Gene No.	88105	Strand	+
Start	341	End	769
Name	OJ000223_02.0405.C21.o1.gs	Method	GENSCAN
Start	341	End	769
GI	none	Score	.52
Exons	341..769		

Seq. No.	42313	Seq. ID	OJ000223_02.0405.C21
Gene No.	88106	Strand	-

Start	1368	End	2998
Name	OJ000223_02.0405.C21.o2.gs	Method	GENSCAN
Start	1368	End	2160
GI	none	Score	1
Exons	1368..1719, 2003..2160		

Seq. No.	42313	Seq. ID	OJ000223_02.0405.C21
Gene No.	88106	Strand	-
Start	1368	End	2998
Name	OJ000223_02.0405.C21.o1.np	Method	AAT/NAP
Start	1377	End	2998
GI	2462834	Score	152
Exons	1377..1719, 1999..2095, 2878..2998		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42313	Seq. ID	OJ000223_02.0405.C21
Gene No.	88106	Strand	-
Start	1368	End	2998
Name	OJ000223_02.0405.C21.o1.tm	Method	TBLASTX:Maize
Start	1578	End	2110
GI	none	Score	202
Exons	1578..1721, 1579..1722, 2002..2094, 2009..2110		

Seq. No.	42314	Seq. ID	OJ000223_02.0405.C22
Gene No.	88107	Strand	-
Start	115	End	1528
Name	OJ000223_02.0405.C22.o1.gs	Method	GENSCAN
Start	115	End	1409
GI	none	Score	.95
Exons	115..307, 415..686, 1320..1409		

Seq. No.	42314	Seq. ID	OJ000223_02.0405.C22
Gene No.	88107	Strand	-
Start	115	End	1528
Name	OJ000223_02.0405.C22.o1.np	Method	AAT/NAP
Start	118	End	1528
GI	7489162	Score	786
Exons	118..307, 415..686, 1320..1528		
GI Descrip.	kinesin-related protein tck1 - common tobacco gi|1491931|gb|AAC49393.1| (U52078) kinesin-like protein [Nicotiana tabacum]		

Seq. No.	42314	Seq. ID	OJ000223_02.0405.C22
Gene No.	88107	Strand	-
Start	115	End	1528
Name	OJ000223_02.0405.C22.o1.tc	Method	TBLASTX:Cress
Start	128	End	1499
GI	none	Score	112
Exons	128..316, 130..315, 406..687, 411..716, 423..707, 602..751, 1306..1482, 1308..1481, 1335..1499		

Seq. No.	42314	Seq. ID	OJ000223_02.0405.C22
Gene No.	88107	Strand	-
Start	115	End	1528
Name	OJ000223_02.0405.C22.o1.tm	Method	TBLASTX:Maize
Start	237	End	649
GI	none	Score	107

Exons	237..308, 237..305, 238..315, 239..316, 403..648, 410..649, 411..647		
Seq. No.	42314	Seq. ID	OJ000223_02.0405.C22
Gene No.	88107	Strand	-
Start	115	End	1528
Name	OJ000223_02.0405.C22.o1.ts	Method	TBLASTX:Soybean
Start	450	End	690
GI	none	Score	156
Exons	450..683, 450..689, 451..690		
Seq. No.	42314	Seq. ID	OJ000223_02.0405.C22
Gene No.	88107	Strand	-
Start	115	End	1528
Name	OJ000223_02.0405.C22.o2.tm	Method	TBLASTX:Maize
Start	1308	End	1519
GI	none	Score	224
Exons	1308..1481, 1309..1518, 1321..1518, 1325..1519		
Seq. No.	42315	Seq. ID	OJ000223_02.0405.C23
Gene No.	88108	Strand	+
Start	1	End	744
Name	OJ000223_02.0405.C23.o1.np	Method	AAT/NAP
Start	1	End	744
GI	3834324	Score	151
Exons	1..29, 469..744		
GI Descrip.	(AC005679) Similar to gb|X92762 tafazzins protein from Homo sapiens. [Arabidopsis thaliana]		
Seq. No.	42315	Seq. ID	OJ000223_02.0405.C23
Gene No.	88109	Strand	-
Start	1497	End	1631
Name	OJ000223_02.0405.C23.o1.tm	Method	TBLASTX:Maize
Start	459	End	714
GI	none	Score	182
Exons	459..713, 468..707, 469..714		
Seq. No.	42315	Seq. ID	OJ000223_02.0405.C23
Gene No.	88109	Strand	-
Start	1497	End	1631
Name	OJ000223_02.0405.C23.o2.gs	Method	GENSCAN
Start	1497	End	1631
GI	none	Score	.74
Exons	1497..1631		
Seq. No.	42316	Seq. ID	OJ000223_02.0405.C25
Gene No.	88110	Strand	+
Start	97	End	187
Name	OJ000223_02.0405.C25.o1.gs	Method	GENSCAN
Start	97	End	187
GI	none	Score	.82
Exons	97..187		
Seq. No.	42316	Seq. ID	OJ000223_02.0405.C25
Gene No.	88111	Strand	-
Start	923	End	1134
Name	OJ000223_02.0405.C25.o2.gs	Method	GENSCAN

Start	923	End	1134
GI	none	Score	.71
Exons	923..1134		

Seq. No.	42317	Seq. ID	OJ000223_02.0405.C26
Gene No.	88112	Strand	+
Start	592	End	857
Name	OJ000223_02.0405.C26.o1.np	Method	AAT/NAP
Start	592	End	857
GI	7489245	Score	165
Exons	592..857		
GI Descrip.	kinesin heavy chain-like protein (clone PKCBP) - potato gi|1369852|gb|AAB37756.1| (L46702) kinesin heavy chain-like protein [Solanum tuberosum]		

Seq. No.	42317	Seq. ID	OJ000223_02.0405.C26
Gene No.	88113	Strand	-
Start	342	End	401
Name	OJ000223_02.0405.C26.o1.gs	Method	GENSCAN
Start	342	End	401
GI	none	Score	.91
Exons	342..401		

Seq. No.	42318	Seq. ID	OJ000113_23.0303.C1
Gene No.	88114	Strand	+
Start	330	End	435
Name	OJ000113_23.0303.C1.o1.gp	Method	AAT/GAP
Start	330	End	435
GI	LIB3477-003-P1-K1-E9	Score	164
Exons	330..435		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42319	Seq. ID	OJ000113_23.0303.C2
Gene No.	88115	Strand	-
Start	1	End	949
Name	OJ000113_23.0303.C2.o1.np	Method	AAT/NAP
Start	1	End	949
GI	6721547	Score	77
Exons	1..20, 782..949		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	42319	Seq. ID	OJ000113_23.0303.C2
Gene No.	88115	Strand	-
Start	1	End	949
Name	OJ000113_23.0303.C2.o1.gs	Method	GENSCAN
Start	3	End	761
GI	none	Score	.99
Exons	3..761		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88116	Strand	+
Start	3916	End	9471
Name	OJ000113_23.0303.C3.o1.np	Method	AAT/NAP
Start	3916	End	7807
GI	6983860	Score	374

Exons	3916..4100, 7420..7807		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88116	Strand	+
Start	3916	End	9471
Name	OJ000113_23.0303.C3.o2.gs	Method	GENSCAN
Start	6221	End	6727
GI	none	Score	.82
Exons	6221..6727		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88116	Strand	+
Start	3916	End	9471
Name	OJ000113_23.0303.C3.o2.np	Method	AAT/NAP
Start	7198	End	9471
GI	227927	Score	148
Exons	7198..7242, 8161..8694, 9342..9471		
GI Descrip.	extensin [Brassica napus]		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88116	Strand	+
Start	3916	End	9471
Name	OJ000113_23.0303.C3.o3.gs	Method	GENSCAN
Start	7418	End	7690
GI	none	Score	.88
Exons	7418..7690		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88116	Strand	+
Start	3916	End	9471
Name	OJ000113_23.0303.C3.o4.gs	Method	GENSCAN
Start	8802	End	9215
GI	none	Score	.97
Exons	8802..9215		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88117	Strand	+
Start	11640	End	12010
Name	OJ000113_23.0303.C3.o5.gs	Method	GENSCAN
Start	11640	End	12010
GI	none	Score	.82
Exons	11640..11736, 11805..12010		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88118	Strand	+
Start	12931	End	13479
Name	OJ000113_23.0303.C3.o6.gs	Method	GENSCAN
Start	12931	End	13479
GI	none	Score	.74
Exons	12931..13479		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88119	Strand	+
Start	19620	End	20132
Name	OJ000113_23.0303.C3.o8.gs	Method	GENSCAN

Start	19620	End	20132
GI	none	Score	.92
Exons	19620..19967, 20037..20132		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88120	Strand	-
Start	16366	End	17838
Name	OJ000113_23.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	7415	End	7735
GI	none	Score	290
Exons	7415..7735		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88120	Strand	-
Start	16366	End	17838
Name	OJ000113_23.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	7477	End	7732
GI	none	Score	216
Exons	7477..7566, 7478..7732		

Seq. No.	42320	Seq. ID	OJ000113_23.0303.C3
Gene No.	88120	Strand	-
Start	16366	End	17838
Name	OJ000113_23.0303.C3.o7.gs	Method	GENSCAN
Start	16366	End	17838
GI	none	Score	.87
Exons	16366..16903, 17783..17838		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88121	Strand	+
Start	212	End	2986
Name	OJ000113_23.0303.C4.o1.gs	Method	GENSCAN
Start	212	End	2986
GI	none	Score	.51
Exons	212..400, 2852..2986		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88122	Strand	+
Start	6287	End	11653
Name	OJ000113_23.0303.C4.o3.gs	Method	GENSCAN
Start	6287	End	11653
GI	none	Score	.51
Exons	6287..6543, 7933..8052, 8156..8209, 8302..8530, 11177..11261, 11432..11547, 11585..11653		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88123	Strand	+
Start	24382	End	24808
Name	OJ000113_23.0303.C4.o2.gp	Method	AAT/GAP
Start	24382	End	24808
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	24382..24449, 24766..24808		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4

Gene No.	88124	Strand	+
Start	25516	End	27660
Name	OJ000113_23.0303.C4.o3.gp	Method	AAT/GAP
Start	25413	End	25751
GI	2310246	Score	658
Exons	25413..25751		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88124	Strand	+
Start	25516	End	27660
Name	OJ000113_23.0303.C4.o7.gs	Method	GENSCAN
Start	25516	End	27660
GI	none	Score	.95
Exons	25516..26241, 27354..27444, 27542..27660		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88125	Strand	+
Start	31933	End	32657
Name	OJ000113_23.0303.C4.o9.gs	Method	GENSCAN
Start	31933	End	32657
GI	none	Score	.64
Exons	31933..31938, 32075..32150, 32165..32305, 32341..32657		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88126	Strand	+
Start	43981	End	57750
Name	OJ000113_23.0303.C4.o4.gp	Method	AAT/GAP
Start	43910	End	46508
GI	uC-osroM202041d01b1	Score	874
Exons	43910..44065, 45780..45912, 45986..46057, 46393..46508		
GI Descrip.	'5091623/gb|AAD39611.1|AC007454_10 6.0e-56 (AC007454) Similar to gb_U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF_00560 Leucine Rich Repeat domains and a PF_00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]'		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88126	Strand	+
Start	43981	End	57750
Name	OJ000113_23.0303.C4.o12.gs	Method	GENSCAN
Start	43981	End	51871
GI	none	Score	.9
Exons	43981..44065, 45780..45912, 45986..46057, 46393..46456, 47252..47328, 47454..47525, 47609..47721, 47863..47994, 48072..48413, 48496..48890, 49161..49471, 50796..50915, 51268..51871		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88126	Strand	+
Start	43981	End	57750
Name	OJ000113_23.0303.C4.o3.np	Method	AAT/NAP
Start	45709	End	49472
GI	7239510	Score	2383
Exons	45709..45912, 45986..46057, 46393..46536, 47454..47525, 47609..47721, 47863..47994, 48072..48413, 48496..48890, 49161..49472		
GI Descrip.	(AC012654) Contains similarity to the somatic embryogenesis		

receptor-like kinase from Daucus carota gb|AC007454; It contains 3 leucine rich repeat domains PF|00560 and a eukaryotic protein kinase domain PF|00069. [Arabidopsis thaliana]

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88126	Strand	+
Start	43981	End	57750
Name	OJ000113_23.0303.C4.o4.np	Method	AAT/NAP
Start	47206	End	57750
GI	4680207	Score	935
Exons	47206..47309, 52422..53234, 57085..57750		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88126	Strand	+
Start	43981	End	57750
Name	OJ000113_23.0303.C4.o5.gp	Method	AAT/GAP
Start	48686	End	49998
GI	17923_1.R1084	Score	1932
Exons	48686..48890, 49161..49998		
GI Descrip.	'2224911 2.0e-80 (U93048) somatic embryogenesis receptor-like kinase [Daucus carota]'		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88126	Strand	+
Start	43981	End	57750
Name	OJ000113_23.0303.C4.o13.gs	Method	GENSCAN
Start	52444	End	53139
GI	none	Score	.55
Exons	52444..53139		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88126	Strand	+
Start	43981	End	57750
Name	OJ000113_23.0303.C4.o14.gs	Method	GENSCAN
Start	54098	End	55422
GI	none	Score	.64
Exons	54098..54127, 55270..55422		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88126	Strand	+
Start	43981	End	57750
Name	OJ000113_23.0303.C4.o15.gs	Method	GENSCAN
Start	55935	End	57721
GI	none	Score	.57
Exons	55935..56017, 57001..57721		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88127	Strand	-
Start	3735	End	4069
Name	OJ000113_23.0303.C4.o1.np	Method	AAT/NAP
Start	3735	End	4069
GI	6942018	Score	258
Exons	3735..4069		
GI Descrip.	(AF216581) AP2/EREBP-like transcription factor LEAFY PETIOLE [Arabidopsis thaliana]		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88128	Strand	-
Start	15648	End	20158
Name	OJ000113_23.0303.C4.o5.gs	Method	GENSCAN
Start	15648	End	20158
GI	none	Score	.49
Exons	15648..16334, 17272..18191, 19009..19197, 20074..20158		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88128	Strand	-
Start	15648	End	20158
Name	OJ000113_23.0303.C4.o1.gp	Method	AAT/GAP
Start	17711	End	18166
GI	none	Score	775
Exons	17711..18166		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88129	Strand	-
Start	28572	End	31466
Name	OJ000113_23.0303.C4.o8.gs	Method	GENSCAN
Start	28572	End	31466
GI	none	Score	.42
Exons	28572..29281, 31268..31303, 31403..31466		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o6.ts	Method	TBLASTX:Soybean
Start	3830	End	4013
GI	none	Score	92
Exons	3830..3853, 3890..4012, 3927..4013		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	20055	End	49211
GI	none	Score	69
Exons	20055..20165, 47918..47992, 47952..48011, 48013..48168, 48065..48412, 48065..48388, 48208..48408, 48482..48631, 48493..48633, 48495..48881, 48524..48790, 48680..48892, 48775..48891, 49161..49211		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o10.gs	Method	GENSCAN
Start	33372	End	34265
GI	none	Score	1
Exons	33372..34265		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o2.np	Method	AAT/NAP
Start	33660	End	34154

GI	7443520	Score	464
Exons	33660..34154		
GI Descrip.	transcription factor, CCAAT-binding, chain A - Arabidopsis thaliana gi|2244810|emb|CAB10233.1| (Z97336) CCAAT-binding transcription factor subunit A(CBF-A) [Arabidopsis thaliana] gi|7268160|emb|CAB78496.1| (AL161539) CCAAT-binding transcription factor subunit A(CBF-A) [Arabidopsis thaliana]		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o2.ts	Method	TBLASTX:Soybean
Start	33798	End	34107
GI	none	Score	320
Exons	33798..34106, 33841..34107		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o2.tc	Method	TBLASTX:Cress
Start	33810	End	34106
GI	none	Score	273
Exons	33810..34097, 33841..34095, 34047..34106		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o3.tm	Method	TBLASTX:Maize
Start	33813	End	34106
GI	none	Score	268
Exons	33813..34106, 33841..34095, 34047..34106		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	33825	End	34097
GI	none	Score	259
Exons	33825..34097, 33841..34095		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o4.tm	Method	TBLASTX:Maize
Start	37322	End	54346
GI	none	Score	309
Exons	37322..37531, 37329..37601, 54225..54278, 54293..54346		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o5.ts	Method	TBLASTX:Soybean
Start	45767	End	46528
GI	none	Score	207
Exons	45767..45913, 45778..45873, 45782..45910, 45986..46066, 45987..46037, 46394..46528, 46394..46474		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o5.tw	Method	TBLASTX:Wheat
Start	45772	End	47323
GI	none	Score	188
Exons	45772..45873, 45779..45913, 45987..46037, 46394..46528, 46394..46537, 47258..47323		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o4.tc	Method	TBLASTX:Cress
Start	45775	End	47323
GI	none	Score	204
Exons	45775..45873, 45779..45913, 45815..45916, 45980..46057, 45987..46037, 46341..46481, 46394..46528, 46394..46537, 46394..46486, 46397..46549, 46417..46515, 46432..46524, 47258..47323		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o5.tm	Method	TBLASTX:Maize
Start	45775	End	47533
GI	none	Score	247
Exons	45775..45873, 45777..45911, 45779..45913, 45779..45916, 45986..46057, 45986..46057, 46393..46533, 46394..46537, 46412..46528, 46417..46536, 47256..47315, 47258..47323, 47258..47332, 47454..47525, 47455..47523, 47456..47533		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	47604	End	48907
GI	none	Score	77
Exons	47604..47723, 47607..47651, 47618..47734, 47864..47992, 47910..47999, 47915..47989, 47949..48011, 48055..48405, 48055..48168, 48065..48412, 48074..48397, 48099..48413, 48208..48411, 48495..48899, 48498..48902, 48524..48907		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o1.tc	Method	TBLASTX:Cress
Start	47949	End	48818
GI	none	Score	53
Exons	47949..48029, 48085..48162, 48086..48412, 48131..48397, 48223..48405, 48489..48818, 48524..48790		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o2.tw	Method	TBLASTX:Wheat
Start	48519	End	48836
GI	none	Score	316

Exons	48519..48836, 48524..48754		
Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o3.tc	Method	TBLASTX:Cress
Start	48819	End	49445
GI	none	Score	124
Exons	48819..48893, 49160..49387, 49161..49376, 49401..49445		
Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o2.tm	Method	TBLASTX:Maize
Start	49135	End	49636
GI	none	Score	130
Exons	49135..49344, 49135..49347, 49142..49480, 49161..49481, 49398..49487, 49562..49636, 49563..49622, 49564..49629		
Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o4.tw	Method	TBLASTX:Wheat
Start	49160	End	49475
GI	none	Score	209
Exons	49160..49315, 49161..49373, 49176..49340, 49412..49474, 49428..49475		
Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88130	Strand	-
Start	33372	End	54346
Name	OJ000113_23.0303.C4.o3.ts	Method	TBLASTX:Soybean
Start	49212	End	49491
GI	none	Score	394
Exons	49212..49475, 49215..49340, 49217..49474, 49220..49483, 49399..49491		
Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88131	Strand	
Start	54347	End	54921
Name	OJ000113_23.0303.C4.o9.tm	Method	TBLASTX:Maize
Start	54347	End	54921
GI	none	Score	83
Exons	54347..54625, 54826..54921		
Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88132	Strand	
Start	55102	End	55526
Name	OJ000113_23.0303.C4.o7.tm	Method	TBLASTX:Maize
Start	55102	End	55526
GI	none	Score	89
Exons	55102..55296, 55114..55308, 55322..55525, 55350..55526		
Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88133	Strand	
Start	55998	End	56398
Name	OJ000113_23.0303.C4.o6.tm	Method	TBLASTX:Maize

Start	55998	End	56398
GI	none	Score	109
Exons	55998..56153, 55999..56151, 56046..56153, 56139..56273, 56149..56223, 56336..56398		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88134	Strand	
Start	56996	End	57727
Name	OJ000113_23.0303.C4.o10.tm	Method	TBLASTX:Maize
Start	56996	End	57322
GI	none	Score	121
Exons	56996..57097, 56998..57120, 56999..57121, 57148..57210, 57149..57226, 57244..57321, 57245..57322		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88134	Strand	
Start	56996	End	57727
Name	OJ000113_23.0303.C4.o5.tc	Method	TBLASTX:Cress
Start	56999	End	57715
GI	none	Score	70
Exons	56999..57055, 57239..57367, 57241..57366, 57407..57535, 57409..57486, 57641..57715		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88134	Strand	
Start	56996	End	57727
Name	OJ000113_23.0303.C4.o4.ts	Method	TBLASTX:Soybean
Start	57041	End	57727
GI	none	Score	76
Exons	57041..57130, 57236..57325, 57256..57294, 57338..57571, 57403..57540, 57569..57619, 57638..57727		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88134	Strand	
Start	56996	End	57727
Name	OJ000113_23.0303.C4.o3.tw	Method	TBLASTX:Wheat
Start	57235	End	57534
GI	none	Score	106
Exons	57235..57324, 57245..57337, 57334..57534, 57335..57532		

Seq. No.	42321	Seq. ID	OJ000113_23.0303.C4
Gene No.	88134	Strand	
Start	56996	End	57727
Name	OJ000113_23.0303.C4.o8.tm	Method	TBLASTX:Maize
Start	57323	End	57577
GI	none	Score	263
Exons	57323..57553, 57335..57577, 57340..57576		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5
Gene No.	88135	Strand	+
Start	237	End	2083
Name	OJ000113_23.0303.C5.o1.gs	Method	GENSCAN
Start	237	End	1607
GI	none	Score	.53
Exons	237..248, 819..1109, 1380..1607		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5

Gene No.	88135	Strand	+
Start	237	End	2083
Name	OJ000113_23.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	287	End	1430
GI	none	Score	77
Exons	287..385, 357..431, 389..442, 395..439, 500..523, 515..643, 515..625, 520..627, 701..1087, 712..957, 714..1100, 715..1101, 743..1009, 991..1110, 1380..1430		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5
Gene No.	88135	Strand	+
Start	237	End	2083
Name	OJ000113_23.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	288	End	1126
GI	none	Score	83
Exons	288..383, 288..371, 301..384, 389..442, 500..523, 515..643, 515..625, 520..642, 714..1118, 717..1121, 743..1126		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5
Gene No.	88135	Strand	+
Start	237	End	2083
Name	OJ000113_23.0303.C5.o1.np	Method	AAT/NAP
Start	305	End	1900
GI	7488932	Score	1070
Exons	305..631, 714..1109, 1380..1616, 1826..1900		
GI Descrip.	probable somatic embryogenesis receptor-like kinase - carrot gi|2224911|gb|AAB61708.1| (U93048) somatic embryogenesis receptor-like kinase [Daucus carota]		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5
Gene No.	88135	Strand	+
Start	237	End	2083
Name	OJ000113_23.0303.C5.o1.tc	Method	TBLASTX:Cress
Start	314	End	1037
GI	none	Score	59
Exons	314..385, 389..442, 515..631, 535..624, 708..1037, 743..1009		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5
Gene No.	88135	Strand	+
Start	237	End	2083
Name	OJ000113_23.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	738	End	1055
GI	none	Score	279
Exons	738..1055, 738..872, 743..973		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5
Gene No.	88135	Strand	+
Start	237	End	2083
Name	OJ000113_23.0303.C5.o1.gp	Method	AAT/GAP
Start	905	End	2083
GI	17923_1.R1084	Score	1103
Exons	905..1109, 1380..1616, 1794..1904, 1926..2083		
GI Descrip.	'2224911 2.0e-80 (U93048) somatic embryogenesis receptor-like kinase [Daucus carota]'		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5
Gene No.	88135	Strand	+

Start	237	End	2083
Name	OJ000113_23.0303.C5.o2.tc	Method	TBLASTX:Cress
Start	1038	End	1606
GI	none	Score	124
Exons	1038..1112, 1038..1112, 1379..1606, 1380..1595		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5
Gene No.	88135	Strand	+
Start	237	End	2083
Name	OJ000113_23.0303.C5.o2.tm	Method	TBLASTX:Maize
Start	1354	End	1832
GI	none	Score	129
Exons	1354..1563, 1354..1566, 1361..1615, 1380..1616, 1788..1832		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5
Gene No.	88135	Strand	+
Start	237	End	2083
Name	OJ000113_23.0303.C5.o2.tw	Method	TBLASTX:Wheat
Start	1379	End	1592
GI	none	Score	209
Exons	1379..1534, 1380..1592, 1395..1559		

Seq. No.	42322	Seq. ID	OJ000113_23.0303.C5
Gene No.	88135	Strand	+
Start	237	End	2083
Name	OJ000113_23.0303.C5.o2.ts	Method	TBLASTX:Soybean
Start	1431	End	1832
GI	none	Score	276
Exons	1431..1643, 1434..1559, 1436..1615, 1788..1832		

Seq. No.	42323	Seq. ID	OJ000113_21.0317.C4
Gene No.	88136	Strand	-
Start	1170	End	3666
Name	OJ000113_21.0317.C4.o1.gs	Method	GENSCAN
Start	1170	End	3666
GI	none	Score	.62
Exons	1170..1549, 1621..1699, 1790..2019, 2107..2206, 2364..2407, 2501..2638, 3078..3130, 3359..3666		

Seq. No.	42324	Seq. ID	OJ000113_21.0317.C5
Gene No.	88137	Strand	-
Start	382	End	936
Name	OJ000113_21.0317.C5.o1.gs	Method	GENSCAN
Start	382	End	936
GI	none	Score	.77
Exons	382..582, 814..936		

Seq. No.	42325	Seq. ID	OJ000113_21.0317.C6
Gene No.	88138	Strand	-
Start	681	End	1606
Name	OJ000113_21.0317.C6.o1.gs	Method	GENSCAN
Start	681	End	1606
GI	none	Score	.66
Exons	681..861, 978..1062, 1490..1606		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88139	Strand	+

Start	1	End	3318
Name	OJ000113_21.0317.C7.o1.gp	Method	AAT/GAP
Start	1	End	3318
GI	15665_2.R1084	Score	2233
Exons	1..75, 1659..2053, 2631..3318		
GI Descrip.	'5915857/sp|O48956|C981_SORBI 0.0e+00 CYTOCHROME P450 98A1 >gi_2766448 (AF029856) cytochrome P450 CYP98A1 [Sorghum bicolor]'		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88139	Strand	+
Start	1	End	3318
Name	OJ000113_21.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	3275
GI	5915857	Score	1728
Exons	1..79, 1663..2053, 2631..3275		
GI Descrip.	CYTOCHROME P450 98A1 gi|2766448 (AF029856) cytochrome P450 CYP98A1 [Sorghum bicolor]		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88139	Strand	+
Start	1	End	3318
Name	OJ000113_21.0317.C7.o1.gs	Method	GENSCAN
Start	39	End	3278
GI	none	Score	.98
Exons	39..75, 1659..2053, 2631..3278		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88140	Strand	+
Start	4509	End	8494
Name	OJ000113_21.0317.C7.o4.gp	Method	AAT/GAP
Start	4416	End	8268
GI	83907_1.R1084	Score	1192
Exons	4416..4541, 5829..5901, 7164..7257, 7546..7659, 7743..7791, 7986..8268		
GI Descrip.	'1491710/emb|CAA65358| 5.0e-14 (X96506) alpha subunit; forms heterodimer with NC2 alpha/Dr1 [Homo sapiens]'		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88140	Strand	+
Start	4509	End	8494
Name	OJ000113_21.0317.C7.o2.gs	Method	GENSCAN
Start	4509	End	8494
GI	none	Score	.64
Exons	4509..4541, 5829..5901, 7164..7257, 7546..7659, 8131..8494		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88141	Strand	+
Start	10809	End	11240
Name	OJ000113_21.0317.C7.o4.gs	Method	GENSCAN
Start	10809	End	11240
GI	none	Score	.8
Exons	10809..11240		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88142	Strand	-
Start	8942	End	10154

Name	OJ000113_21.0317.C7.o5.gp	Method	AAT/GAP
Start	8942	End	10150
GI	541_1.R1084	Score	1244
Exons	8942..9139, 9273..9469, 9894..10150		
GI Descrip.	'118171/sp|P20907|CYT2_ORYSA 4.0e-38 CYSTEINE PROTEINASE INHIBITOR-II (ORYZACYSTATIN-II) >gi_100692_pir__A38375 oryzacystatin II - rice >gi_169803 (J05595) oryzacystatin-II [Oryza sativa]'		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88142	Strand	-
Start	8942	End	10154
Name	OJ000113_21.0317.C7.o3.gs	Method	GENSCAN
Start	9275	End	10154
GI	none	Score	.94
Exons	9275..9469, 9894..10154		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88142	Strand	-
Start	8942	End	10154
Name	OJ000113_21.0317.C7.o2.np	Method	AAT/NAP
Start	9278	End	10025
GI	118171	Score	475
Exons	9278..9469, 9894..10025		
GI Descrip.	CYSTEINE PROTEINASE INHIBITOR-II (ORYZACYSTATIN-II) gi|100692|pir||A38375 oryzacystatin II - rice gi|169803 (J05595) oryzacystatin-II [Oryza sativa]		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88143	Strand	-
Start	11835	End	12107
Name	OJ000113_21.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	3398
GI	none	Score	107
Exons	2..82, 3..98, 1656..1913, 1658..2053, 1661..2053, 1675..2055, 1927..2055, 2629..2688, 2630..3277, 2631..3278, 3157..3279, 3286..3309, 3330..3398, 3366..3392		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88143	Strand	-
Start	11835	End	12107
Name	OJ000113_21.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	3	End	3236
GI	none	Score	77
Exons	3..68, 3..56, 1670..1969, 1675..1848, 1685..1969, 1930..1980, 1958..2053, 1965..2042, 1966..2055, 1966..2055, 2630..3214, 2631..3236		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88143	Strand	-
Start	11835	End	12107
Name	OJ000113_21.0317.C7.o2.tc	Method	TBLASTX:Cress
Start	3	End	1993
GI	none	Score	83
Exons	3..74, 5..118, 1622..1966, 1681..1956, 1685..1969, 1958..1993, 1963..1992		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88143	Strand	-
Start	11835	End	12107
Name	OJ000113_21.0317.C7.o1.tc	Method	TBLASTX:Cress
Start	2000	End	3230
GI	none	Score	81
Exons	2000..2053, 2630..2704, 2631..2744, 2715..2897, 2768..2887, 2861..3157, 2898..3179, 3159..3230		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88143	Strand	-
Start	11835	End	12107
Name	OJ000113_21.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	2631	End	2936
GI	none	Score	245
Exons	2631..2936, 2642..2707, 2763..2936		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88143	Strand	-
Start	11835	End	12107
Name	OJ000113_21.0317.C7.o2.tw	Method	TBLASTX:Wheat
Start	2963	End	3199
GI	none	Score	208
Exons	2963..3079, 2964..3188, 3119..3199		

Seq. No.	42326	Seq. ID	OJ000113_21.0317.C7
Gene No.	88143	Strand	-
Start	11835	End	12107
Name	OJ000113_21.0317.C7.o5.gs	Method	GENSCAN
Start	11835	End	12107
GI	none	Score	.93
Exons	11835..11976, 12031..12107		

Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88144	Strand	+
Start	225	End	2214
Name	OJ000113_21.0317.C8.o1.gp	Method	AAT/GAP
Start	225	End	2214
GI	8948_1.R1084	Score	2980
Exons	225..1441, 1854..2214		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88144	Strand	+
Start	225	End	2214
Name	OJ000113_21.0317.C8.o1.gs	Method	GENSCAN
Start	340	End	1404
GI	none	Score	.61
Exons	340..1404		

Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88144	Strand	+
Start	225	End	2214
Name	OJ000113_21.0317.C8.o1.np	Method	AAT/NAP
Start	349	End	1398
GI	4432863	Score	1347

Exons	349..1398		
GI Descrip.	(AC006300) putative phosphate/phosphoenolpyruvate translocator protein [Arabidopsis thaliana]		
Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88145	Strand	+
Start	10943	End	18749
Name	OJ000113_21.0317.C8.o4.gs	Method	GENSCAN
Start	10943	End	18275
GI	none	Score	.69
Exons	10943..11431, 14073..14122, 14362..14417, 14533..14634, 14997..15126, 15213..15297, 15377..15518, 15614..15746, 15845..16106, 16183..16371, 16448..16573, 16661..16855, 17140..17250, 17481..18275		
Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88145	Strand	+
Start	10943	End	18749
Name	OJ000113_21.0317.C8.o2.np	Method	AAT/NAP
Start	14387	End	18749
GI	7487801	Score	1781
Exons	14387..14441, 14506..14736, 15008..15122, 15221..15289, 15384..15518, 15614..15738, 15852..16106, 16183..16381, 16452..16573, 16661..17051, 17150..17250, 17481..18295, 18591..18638, 18697..18749		
GI Descrip.	hypothetical protein T8F5.22 - Arabidopsis thaliana gi|3335349|gb|AAC27151.1| (AC004512) Similar to gb|U46691 putative chromatin structure regulator (SUPT6H) from Homo sapiens. ESTs gb|T42908, gb|AA586170 and gb|AA395125 come from this gene. [Arabidopsis thaliana]		
Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88146	Strand	-
Start	10450	End	10736
Name	OJ000113_21.0317.C8.o2.gp	Method	AAT/GAP
Start	10450	End	10736
GI	2312838	Score	69
Exons	10450..10509, 10716..10736		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88147	Strand	-
Start	10874	End	11161
Name	OJ000113_21.0317.C8.o1.tc	Method	TBLASTX:Cress
Start	367	End	839
GI	none	Score	253
Exons	367..585, 369..584, 592..837, 618..839		
Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88147	Strand	-
Start	10874	End	11161
Name	OJ000113_21.0317.C8.o2.tw	Method	TBLASTX:Wheat
Start	367	End	536
GI	none	Score	289
Exons	367..534, 369..536		

Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88147	Strand	-
Start	10874	End	11161
Name	OJ000113_21.0317.C8.o2.ts	Method	TBLASTX:Soybean
Start	367	End	786
GI	none	Score	254
Exons	367..585, 369..584, 592..786, 618..773, 631..786		

Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88147	Strand	-
Start	10874	End	11161
Name	OJ000113_21.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	367	End	1932
GI	none	Score	1453
Exons	367..1404, 369..1352, 1355..1390, 1413..1445, 1847..1882, 1891..1932		

Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88147	Strand	-
Start	10874	End	11161
Name	OJ000113_21.0317.C8.o1.tw	Method	TBLASTX:Wheat
Start	654	End	956
GI	none	Score	174
Exons	654..770, 655..954, 655..954, 909..956		

Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88147	Strand	-
Start	10874	End	11161
Name	OJ000113_21.0317.C8.o1.ts	Method	TBLASTX:Soybean
Start	787	End	1368
GI	none	Score	510
Exons	787..1212, 792..1211, 1212..1346, 1213..1368		

Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88147	Strand	-
Start	10874	End	11161
Name	OJ000113_21.0317.C8.o3.tm	Method	TBLASTX:Maize
Start	4624	End	4818
GI	none	Score	164
Exons	4624..4818, 4703..4816		

Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88147	Strand	-
Start	10874	End	11161
Name	OJ000113_21.0317.C8.o2.tm	Method	TBLASTX:Maize
Start	4819	End	5122
GI	none	Score	82
Exons	4819..4875, 4820..4876, 4873..4914, 4874..4915, 4969..5121, 4979..5122		

Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88147	Strand	-
Start	10874	End	11161
Name	OJ000113_21.0317.C8.o3.gp	Method	AAT/GAP
Start	10874	End	11161
GI	uC-osf1cyp157g07b1	Score	529
Exons	10874..11161		

GI Descrip.	'3335349 1.0e-38 (AC004512) Similar to gb_U46691 putative chromatin structure regulator (SUPT6H) from Homo sapiens. ESTs gb_T42908, gb_AA586170 and gb_AA395125 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88148	Strand	
Start	15211	End	15517
Name	OJ000113_21.0317.C8.o3.tw	Method	TBLASTX:Wheat
Start	15211	End	15517
GI	none	Score	109
Exons	15211..15297, 15236..15298, 15378..15506, 15378..15506, 15380..15517, 15463..15507		
Seq. No.	42327	Seq. ID	OJ000113_21.0317.C8
Gene No.	88149	Strand	
Start	17589	End	17835
Name	OJ000113_21.0317.C8.o3.ts	Method	TBLASTX:Soybean
Start	17589	End	17835
GI	none	Score	172
Exons	17589..17714, 17612..17653, 17718..17834, 17751..17834, 17758..17835		
Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88150	Strand	+
Start	1	End	3727
Name	OJ000113_21.0317.C9.o1.gp	Method	AAT/GAP
Start	1	End	214
GI	4878572	Score	402
Exons	1..214		
GI Descrip.	3335349 1.0e-38 (AC004512) Similar to gb_U46691 putative chromatin structure regulator (SUPT6H) from Homo sapiens. ESTs gb_T42908, gb_AA586170 and gb_AA395125 come from this gene. [Arabidopsis thaliana]		
Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88150	Strand	+
Start	1	End	3727
Name	OJ000113_21.0317.C9.o1.np	Method	AAT/NAP
Start	1	End	3727
GI	7487801	Score	1889
Exons	1..124, 182..1111, 1202..1411, 1603..2108, 2638..3051, 3633..3727		
GI Descrip.	hypothetical protein T8F5.22 - Arabidopsis thaliana gi|3335349|gb|AAC27151.1| (AC004512) Similar to gb|U46691 putative chromatin structure regulator (SUPT6H) from Homo sapiens. ESTs gb|T42908, gb|AA586170 and gb|AA395125 come from this gene. [Arabidopsis thaliana]		
Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88150	Strand	+
Start	1	End	3727
Name	OJ000113_21.0317.C9.o1.gs	Method	GENSCAN
Start	104	End	3076
GI	none	Score	.52
Exons	104..1111, 1202..1411, 1603..2071, 2649..3076		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88150	Strand	+
Start	1	End	3727
Name	OJ000113_21.0317.C9.o2.gp	Method	AAT/GAP
Start	237	End	706
GI	LIB3431-056-P1-K1-G1	Score	916
Exons	237..706		
GI Descrip.	'3335349 1.0e-40 (AC004512) Similar to gb_U46691 putative chromatin structure regulator (SUPT6H) from Homo sapiens. ESTs gb_T42908, gb_AA586170 and gb_AA395125 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88150	Strand	+
Start	1	End	3727
Name	OJ000113_21.0317.C9.o4.gp	Method	AAT/GAP
Start	2940	End	3241
GI	3762701	Score	547
Exons	2940..3241		
GI Descrip.	2522426/gb|AF016889|AF016889 3.0e-20 Cloning vector pWSK29, complete sequence		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88151	Strand	+
Start	6484	End	10121
Name	OJ000113_21.0317.C9.o3.np	Method	AAT/NAP
Start	6475	End	10115
GI	6728976	Score	391
Exons	6475..6575, 7094..7193, 7800..7962, 8892..9159, 9613..9688, 9797..9843, 9938..10115		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88151	Strand	+
Start	6484	End	10121
Name	OJ000113_21.0317.C9.o3.gs	Method	GENSCAN
Start	6484	End	10121
GI	none	Score	.75
Exons	6484..6575, 7094..7193, 7809..7968, 8712..9159, 9613..9688, 9797..9843, 9938..10121		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88152	Strand	-
Start	2228	End	4730
Name	OJ000113_21.0317.C9.o2.np	Method	AAT/NAP
Start	2228	End	4170
GI	7487241	Score	350
Exons	2228..2276, 3437..4170		
GI Descrip.	hypothetical protein T20B5.3 - Arabidopsis thaliana gi|2623297|gb|AAB86443.1| (AC002409) unknown protein [Arabidopsis thaliana] gi|3790583|gb|AAC69854.1| (AF079180) RING-H2 finger protein RHC1a [Arabidopsis thaliana]		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88152	Strand	-
Start	2228	End	4730
Name	OJ000113_21.0317.C9.o3.gp	Method	AAT/GAP

Start	2772	End	2899
GI	uC-osf1cyp013g02b1	Score	231
Exons	2772..2899		
GI Descrip.	'2522426/gb|AF016889|AF016889 3.0e-20 Cloning vector pWSK29, complete sequence'		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88152	Strand	-
Start	2228	End	4730
Name	OJ000113_21.0317.C9.o2.gs	Method	GENSCAN
Start	3307	End	4730
GI	none	Score	.95
Exons	3307..4191, 4474..4641, 4701..4730		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88153	Strand	-
Start	6307	End	6961
Name	OJ000113_21.0317.C9.o5.gp	Method	AAT/GAP
Start	6307	End	6961
GI	none	Score	888
Exons	6307..6727, 6921..6961		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88154	Strand	-
Start	9124	End	9729
Name	OJ000113_21.0317.C9.o6.gp	Method	AAT/GAP
Start	9124	End	9729
GI	none	Score	990
Exons	9124..9527, 9623..9729		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o2.ts	Method	TBLASTX:Soybean
Start	134	End	526
GI	none	Score	137
Exons	134..271, 278..472, 280..429, 317..481, 467..526		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	691	End	919
GI	none	Score	338
Exons	691..918, 692..919		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	692	End	1303
GI	none	Score	104
Exons	692..832, 697..780, 842..949, 844..918, 956..1111, 957..1091, 965..1111, 1174..1302, 1199..1303		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-

Start	10938	End	12050
Name	OJ000113_21.0317.C9.o3.tm	Method	TBLASTX:Maize
Start	920	End	1413
GI	none	Score	75
Exons	920..985, 920..1108, 1070..1114, 1213..1263, 1217..1261, 1282..1374, 1289..1411, 1289..1411, 1290..1412, 1291..1413		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	1294	End	1974
GI	none	Score	150
Exons	1294..1371, 1295..1414, 1304..1477, 1602..1751, 1603..1752, 1783..1809, 1807..1824, 1815..1973, 1834..1974		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o4.ts	Method	TBLASTX:Soybean
Start	1585	End	1812
GI	none	Score	96
Exons	1585..1812, 1601..1810, 1603..1812		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o2.tm	Method	TBLASTX:Maize
Start	1868	End	3741
GI	none	Score	104
Exons	1868..1936, 3403..3537, 3511..3609, 3516..3632, 3521..3613, 3607..3741, 3610..3678		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o2.tc	Method	TBLASTX:Cress
Start	3436	End	4164
GI	none	Score	131
Exons	3436..3657, 3518..3643, 3538..3654, 3655..3756, 3757..3783, 4108..4164		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o3.ts	Method	TBLASTX:Soybean
Start	3511	End	4170
GI	none	Score	129
Exons	3511..3759, 3521..3682, 4045..4101, 4108..4170		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o5.tm	Method	TBLASTX:Maize
Start	3934	End	4183
GI	none	Score	48
Exons	3934..3990, 3937..3993, 4042..4116, 4043..4099, 4108..4182,		

4109..4183

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o4.tm	Method	TBLASTX:Maize
Start	6527	End	7971
GI	none	Score	191
Exons	6527..6580, 7089..7190, 7091..7192, 7092..7193, 7851..7940, 7860..7934, 7933..7971		

Seq. No.	42328	Seq. ID	OJ000113_21.0317.C9
Gene No.	88155	Strand	-
Start	10938	End	12050
Name	OJ000113_21.0317.C9.o4.gs	Method	GENSCAN
Start	10938	End	12050
GI	none	Score	.69
Exons	10938..11003, 11027..11142, 12005..12050		

Seq. No.	42329	Seq. ID	OJ000113_21.0317.C10
Gene No.	88156	Strand	+
Start	2952	End	3351
Name	OJ000113_21.0317.C10.o3.gp	Method	AAT/GAP
Start	2952	End	3351
GI	5803355	Score	678
Exons	2952..3351		

Seq. No.	42329	Seq. ID	OJ000113_21.0317.C10
Gene No.	88157	Strand	-
Start	1	End	558
Name	OJ000113_21.0317.C10.o1.np	Method	AAT/NAP
Start	1	End	558
GI	7486791	Score	348
Exons	1..558		
GI Descrip.	hypothetical protein M4E13.100 - Arabidopsis thaliana gi|2924515|emb|CAA17769.1| (AL022023) putative protein [Arabidopsis thaliana] gi|7270455|emb|CAB80221.1| (AL161586) putative protein [Arabidopsis thaliana]		

Seq. No.	42329	Seq. ID	OJ000113_21.0317.C10
Gene No.	88157	Strand	-
Start	1	End	558
Name	OJ000113_21.0317.C10.o1.gs	Method	GENSCAN
Start	34	End	520
GI	none	Score	1
Exons	34..520		

Seq. No.	42329	Seq. ID	OJ000113_21.0317.C10
Gene No.	88158	Strand	-
Start	624	End	1009
Name	OJ000113_21.0317.C10.o1.gp	Method	AAT/GAP
Start	624	End	1009
GI	none	Score	761
Exons	624..1009		

Seq. No.	42329	Seq. ID	OJ000113_21.0317.C10
Gene No.	88159	Strand	-

Start	2211	End	2710
Name	OJ000113_21.0317.C10.o1.ts	Method	TBLASTX:Soybean
Start	68	End	513
GI	none	Score	177
Exons	68..355, 69..290, 343..387, 401..466, 409..513		

Seq. No.	42329	Seq. ID	OJ000113_21.0317.C10
Gene No.	88159	Strand	-
Start	2211	End	2710
Name	OJ000113_21.0317.C10.o1.tc	Method	TBLASTX:Cress
Start	83	End	416
GI	none	Score	98
Exons	83..334, 96..290, 326..388, 372..416		

Seq. No.	42329	Seq. ID	OJ000113_21.0317.C10
Gene No.	88159	Strand	-
Start	2211	End	2710
Name	OJ000113_21.0317.C10.o1.tm	Method	TBLASTX:Maize
Start	101	End	349
GI	none	Score	152
Exons	101..349, 102..296		

Seq. No.	42329	Seq. ID	OJ000113_21.0317.C10
Gene No.	88159	Strand	-
Start	2211	End	2710
Name	OJ000113_21.0317.C10.o2.gp	Method	AAT/GAP
Start	2056	End	2434
GI	none	Score	740
Exons	2056..2434		

Seq. No.	42329	Seq. ID	OJ000113_21.0317.C10
Gene No.	88159	Strand	-
Start	2211	End	2710
Name	OJ000113_21.0317.C10.o2.gs	Method	GENSCAN
Start	2211	End	2710
GI	none	Score	.66
Exons	2211..2351, 2597..2710		

Seq. No.	42330	Seq. ID	OJ000113_21.0317.C11
Gene No.	88160	Strand	+
Start	147	End	5123
Name	OJ000113_21.0317.C11.o1.gs	Method	GENSCAN
Start	147	End	5123
GI	none	Score	.55
Exons	147..189, 1972..2090, 2295..2396, 4035..4110, 4157..4437, 4530..4714, 4860..5123		

Seq. No.	42330	Seq. ID	OJ000113_21.0317.C11
Gene No.	88160	Strand	+
Start	147	End	5123
Name	OJ000113_21.0317.C11.o1.gp	Method	AAT/GAP
Start	433	End	1202
GI	none	Score	1469
Exons	433..1202		

Seq. No.	42330	Seq. ID	OJ000113_21.0317.C11
Gene No.	88160	Strand	+

Start	147	End	5123
Name	OJ000113_21.0317.C11.o2.gp	Method	AAT/GAP
Start	1002	End	1419
GI	none	Score	796
Exons	1002..1419		

Seq. No.	42330	Seq. ID	OJ000113_21.0317.C11
Gene No.	88161	Strand	-
Start	1476	End	1805
Name	OJ000113_21.0317.C11.o3.gp	Method	AAT/GAP
Start	1476	End	1805
GI	none	Score	566
Exons	1476..1805		

Seq. No.	42330	Seq. ID	OJ000113_21.0317.C11
Gene No.	88162	Strand	-
Start	1979	End	4081
Name	OJ000113_21.0317.C11.o4.gp	Method	AAT/GAP
Start	1979	End	4081
GI	none	Score	4077
Exons	1979..4081		

Seq. No.	42330	Seq. ID	OJ000113_21.0317.C11
Gene No.	88163	Strand	-
Start	4285	End	4635
Name	OJ000113_21.0317.C11.o5.gp	Method	AAT/GAP
Start	4285	End	4635
GI	none	Score	682
Exons	4285..4635		

Seq. No.	42331	Seq. ID	OJ000113_21.0317.C12
Gene No.	88164	Strand	-
Start	946	End	2341
Name	OJ000113_21.0317.C12.o1.np	Method	AAT/NAP
Start	738	End	1066
GI	7228438	Score	162
Exons	738..1066		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	42331	Seq. ID	OJ000113_21.0317.C12
Gene No.	88164	Strand	-
Start	946	End	2341
Name	OJ000113_21.0317.C12.o1.gs	Method	GENSCAN
Start	946	End	2185
GI	none	Score	.49
Exons	946..1058, 1818..1876, 1881..2185		

Seq. No.	42331	Seq. ID	OJ000113_21.0317.C12
Gene No.	88164	Strand	-
Start	946	End	2341
Name	OJ000113_21.0317.C12.o2.np	Method	AAT/NAP
Start	1775	End	2341
GI	5441880	Score	117
Exons	1775..1989, 2283..2341		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	42331	Seq. ID	OJ000113_21.0317.C12
Gene No.	88164	Strand	-
Start	946	End	2341
Name	OJ000113_21.0317.C12.o1.gp	Method	AAT/GAP
Start	2096	End	2341
GI	LIB3433-020-P1-K1-A6	Score	460
Exons	2096..2341		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	42332	Seq. ID	OJ000113_21.0317.C13
Gene No.	88165	Strand	-
Start	1	End	3052
Name	OJ000113_21.0317.C13.o1.np	Method	AAT/NAP
Start	1	End	3052
GI	7340881	Score	643
Exons	1..41, 552..582, 688..869, 2232..2459, 2515..2606, 2697..2820, 2966..3052		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42333	Seq. ID	OJ000113_21.0317.C14
Gene No.	88166	Strand	-
Start	375	End	3019
Name	OJ000113_21.0317.C14.o1.np	Method	AAT/NAP
Start	375	End	3019
GI	7228442	Score	2910
Exons	375..3019		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42333	Seq. ID	OJ000113_21.0317.C14
Gene No.	88166	Strand	-
Start	375	End	3019
Name	OJ000113_21.0317.C14.o1.tw	Method	TBLASTX:Wheat
Start	1314	End	1689
GI	none	Score	66
Exons	1314..1487, 1325..1465, 1420..1488, 1512..1688, 1537..1689		

Seq. No.	42333	Seq. ID	OJ000113_21.0317.C14
Gene No.	88166	Strand	-
Start	375	End	3019
Name	OJ000113_21.0317.C14.o1.tm	Method	TBLASTX:Maize
Start	1389	End	1985
GI	none	Score	184
Exons	1389..1460, 1507..1806, 1518..1985, 1858..1980		

Seq. No.	42334	Seq. ID	OJ000113_21.0317.C17
Gene No.	88167	Strand	+
Start	378	End	576
Name	OJ000113_21.0317.C17.o1.gs	Method	GENSCAN
Start	378	End	576
GI	none	Score	.71
Exons	378..576		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88168	Strand	+
Start	281	End	13203
Name	OJ000113_21.0317.C19.o1.np	Method	AAT/NAP
Start	281	End	5883
GI	7436360	Score	2955
Exons	281..417, 1221..1304, 1381..3312, 3387..3545, 3914..4085, 4594..4892, 5572..5883		
GI Descrip.	Ca2+-transporting ATPase (EC 3.6.1.38) T32G6.8 - Arabidopsis thaliana gi|2618691|gb|AAB84338.1| (AC002510) putative Ca2+-ATPase [Arabidopsis thaliana]		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88168	Strand	+
Start	281	End	13203
Name	OJ000113_21.0317.C19.o1.gs	Method	GENSCAN
Start	1382	End	13203
GI	none	Score	.49
Exons	1382..3312, 3387..3545, 3914..4085, 4594..4892, 5861..5964, 6669..6848, 7040..7113, 7568..7631, 8894..9029, 9731..9798, 10111..10871, 11452..11673, 12085..12332, 12435..12574, 12659..12782, 13072..13203		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88168	Strand	+
Start	281	End	13203
Name	OJ000113_21.0317.C19.o1.gp	Method	AAT/GAP
Start	4725	End	5891
GI	uC-osf1cyp156a01b1	Score	924
Exons	4725..4892, 5572..5891		
GI Descrip.	'1805654/emb|CAA68234| 1.0e-44 (X99972) calmodulin-stimulated calcium-ATPase [Brassica oleracea]'		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88168	Strand	+
Start	281	End	13203
Name	OJ000113_21.0317.C19.o2.np	Method	AAT/NAP
Start	6731	End	6849
GI	6630699	Score	95
Exons	6731..6849		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88168	Strand	+
Start	281	End	13203
Name	OJ000113_21.0317.C19.o2.gp	Method	AAT/GAP
Start	10185	End	10493
GI	uC-osf1m202002g08b1	Score	582
Exons	10185..10493		
GI Descrip.	'2618689 3.0e-46 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88168	Strand	+

Start	281	End	13203
Name	OJ000113_21.0317.C19.o3.np	Method	AAT/NAP
Start	10229	End	12779
GI	7487604	Score	1745
Exons	10229..10871, 11452..11673, 12085..12332, 12435..12574, 12659..12779		
GI Descrip.	hypothetical protein T32G6.6 - Arabidopsis thaliana gi|2618689|gb|AAB84336.1| (AC002510) glycerol-3-phosphate dehydrogenase [Arabidopsis thaliana]		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88168	Strand	+
Start	281	End	13203
Name	OJ000113_21.0317.C19.o3.gp	Method	AAT/GAP
Start	11492	End	12187
GI	4714589	Score	546
Exons	11492..11673, 12085..12187		
GI Descrip.	2618689 3.0e-46 (AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88168	Strand	+
Start	281	End	13203
Name	OJ000113_21.0317.C19.o4.gp	Method	AAT/GAP
Start	12705	End	12999
GI	4714590	Score	486
Exons	12705..12999		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o4.tm	Method	TBLASTX:Maize
Start	1240	End	1702
GI	none	Score	79
Exons	1240..1287, 1241..1294, 1244..1300, 1245..1304, 1245..1304, 1377..1694, 1381..1701, 1381..1701, 1532..1702		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o1.tc	Method	TBLASTX:Cress
Start	1392	End	5808
GI	none	Score	684
Exons	1392..1457, 1564..2220, 1573..2232, 1587..2249, 2106..2234, 2301..2480, 2301..2561, 2302..2556, 2602..3039, 2631..3020, 3022..3315, 3069..3254, 3082..3315, 3362..3547, 3366..3551, 3905..4081, 3911..4078, 3913..4086, 3967..4083, 4571..4762, 4587..4895, 4605..4781, 4796..4903, 5553..5741, 5553..5807, 5569..5808		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o5.ts	Method	TBLASTX:Soybean
Start	1554	End	1890
GI	none	Score	225
Exons	1554..1868, 1555..1890		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o3.tm	Method	TBLASTX:Maize
Start	1846	End	2569
GI	none	Score	405
Exons	1846..2220, 1911..2555, 2121..2243, 2296..2556, 2384..2563, 2438..2569		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o2.ts	Method	TBLASTX:Soybean
Start	1986	End	2547
GI	none	Score	89
Exons	1986..2216, 1986..2546, 1987..2547		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o1.tw	Method	TBLASTX:Wheat
Start	2421	End	2748
GI	none	Score	166
Exons	2421..2555, 2422..2556, 2425..2559, 2590..2748, 2613..2735		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o2.tm	Method	TBLASTX:Maize
Start	2646	End	5622
GI	none	Score	104
Exons	2646..3020, 2647..2748, 2782..3039, 3034..3315, 3069..3254, 3088..3315, 3384..3551, 3386..3547, 3848..4078, 3911..4078, 3913..4089, 4571..4903, 4574..4786, 4587..4895, 4856..4897, 5569..5622		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o1.ts	Method	TBLASTX:Soybean
Start	2698	End	5807
GI	none	Score	308
Exons	2698..3036, 2793..3020, 3040..3315, 3069..3254, 3364..3546, 3366..3545, 3383..3547, 3384..3551, 3896..4066, 3911..4078, 3913..4089, 4587..4895, 4592..4903, 5541..5612, 5553..5807, 5569..5742, 5664..5786		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o5.tm	Method	TBLASTX:Maize
Start	5622	End	5877
GI	none	Score	273
Exons	5622..5870, 5623..5877		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19

Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o1.tm	Method	TBLASTX:Maize
Start	10230	End	12824
GI	none	Score	95
Exons	10230..10337, 10292..10873, 10318..10872, 10772..10873, 11444..11677, 11447..11674, 11448..11699, 12083..12328, 12084..12332, 12085..12333, 12430..12558, 12431..12577, 12435..12557, 12608..12733, 12656..12778, 12657..12824, 12657..12791		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o3.tc	Method	TBLASTX:Cress
Start	10292	End	10501
GI	none	Score	145
Exons	10292..10408, 10315..10401, 10409..10501		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o4.ts	Method	TBLASTX:Soybean
Start	10292	End	10501
GI	none	Score	280
Exons	10292..10501, 10315..10500		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o3.ts	Method	TBLASTX:Soybean
Start	10502	End	11578
GI	none	Score	507
Exons	10502..10873, 10502..10714, 10618..10872, 11447..11578, 11448..11564, 11449..11565, 11450..11566		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o2.tc	Method	TBLASTX:Cress
Start	10520	End	11642
GI	none	Score	505
Exons	10520..10873, 10525..10872, 11406..11633, 11447..11641, 11448..11642		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o7.ts	Method	TBLASTX:Soybean
Start	11594	End	12244
GI	none	Score	137
Exons	11594..11692, 11595..11699, 12080..12199, 12084..12206, 12084..12200, 12201..12242, 12203..12244		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568

Name	OJ000113_21.0317.C19.o6.ts	Method	TBLASTX:Soybean
Start	12297	End	12779
GI	none	Score	50
Exons	12297..12332, 12435..12467, 12468..12554, 12470..12574, 12636..12779, 12647..12733		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o4.tc	Method	TBLASTX:Cress
Start	12431	End	12773
GI	none	Score	135
Exons	12431..12577, 12435..12554, 12657..12773, 12660..12770		

Seq. No.	42335	Seq. ID	OJ000113_21.0317.C19
Gene No.	88169	Strand	-
Start	17843	End	21568
Name	OJ000113_21.0317.C19.o3.gs	Method	GENSCAN
Start	17843	End	21568
GI	none	Score	.51
Exons	17843..17940, 18628..18754, 21410..21568		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88170	Strand	+
Start	1420	End	4918
Name	OJ000113_21.0317.C20.o1.gp	Method	AAT/GAP
Start	1420	End	4918
GI	127_1.R1084	Score	2676
Exons	1420..1667, 3757..4918		
GI Descrip.	'4884532/dbj|BAA77786.1| 0.0e+00 (AB027431) beta-1,3-glucanase [Oryza sativa] >gi_4884534_dbj_BAA77787.1_ (AB027432) beta-1,3-glucanase [Oryza sativa]'		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88170	Strand	+
Start	1420	End	4918
Name	OJ000113_21.0317.C20.o1.gs	Method	GENSCAN
Start	1621	End	4727
GI	none	Score	.85
Exons	1621..1667, 1718..1770, 3757..4727		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88170	Strand	+
Start	1420	End	4918
Name	OJ000113_21.0317.C20.o1.np	Method	AAT/NAP
Start	2563	End	4709
GI	4097946	Score	1653
Exons	2563..2632, 3760..4709		
GI Descrip.	(U72254) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88171	Strand	+
Start	5231	End	6828
Name	OJ000113_21.0317.C20.o2.gp	Method	AAT/GAP
Start	5231	End	6779
GI	none	Score	765
Exons	5231..5335, 6428..6779		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88171	Strand	+
Start	5231	End	6828
Name	OJ000113_21.0317.C20.o2.np	Method	AAT/NAP
Start	6421	End	6771
GI	7406410	Score	212
Exons	6421..6771		
GI Descrip.	(AL162873) putative protein [Arabidopsis thaliana]		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88171	Strand	+
Start	5231	End	6828
Name	OJ000113_21.0317.C20.o2.gs	Method	GENSCAN
Start	6430	End	6828
GI	none	Score	.85
Exons	6430..6828		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88172	Strand	-
Start	7346	End	8212
Name	OJ000113_21.0317.C20.o3.gs	Method	GENSCAN
Start	7346	End	8212
GI	none	Score	.98
Exons	7346..7600, 7693..8075, 8200..8212		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o2.ts	Method	TBLASTX:Soybean
Start	3746	End	4712
GI	none	Score	248
Exons	3746..4060, 3759..4082, 4137..4349, 4172..4294, 4341..4499, 4457..4501, 4458..4592, 4574..4681, 4575..4712		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o3.tw	Method	TBLASTX:Wheat
Start	3753	End	4166
GI	none	Score	228
Exons	3753..4166, 3773..4054, 4070..4135		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o1.tc	Method	TBLASTX:Cress
Start	3761	End	4712
GI	none	Score	255
Exons	3761..3961, 3765..4061, 4137..4376, 4428..4499, 4500..4574, 4575..4712		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o2.tm	Method	TBLASTX:Maize
Start	3765	End	4646

GI	none	Score	152
Exons	3765..4055, 4059..4130, 4107..4346, 4350..4433, 4508..4645, 4509..4646		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o3.tm	Method	TBLASTX:Maize
Start	6426	End	6804
GI	none	Score	39
Exons	6426..6476, 6479..6538, 6480..6539, 6532..6804, 6566..6802, 6579..6803		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o3.ts	Method	TBLASTX:Soybean
Start	6552	End	6762
GI	none	Score	231
Exons	6552..6671, 6553..6762		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o3.gp	Method	AAT/GAP
Start	9225	End	10650
GI	1131_1.R1084	Score	1946
Exons	9225..9657, 9766..9924, 10064..10381, 10533..10650		
GI Descrip.	'129915/sp|P12782|PGKH_WHEAT 0.0e+00 PHOSPHOGLYCERATE KINASE, CHLOROPLAST PRECURSOR >gi_66912_pir__TVWTGC phosphoglycerate kinase (EC 2.7.2.3) precursor, chloroplast - wheat >gi_21833_emb_CAA33303_ (X15233) phosphoglycerate kinase (AA 1 - 480) [Triticum aestivum] >gi_3293043_emb_CAA51931_ (X73528) phosphoglycerate kinase [Triticum aestivum]'		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o1.tm	Method	TBLASTX:Maize
Start	9301	End	10650
GI	none	Score	34
Exons	9301..9327, 9323..9385, 9334..9381, 9368..9427, 9392..9430, 9418..9660, 9418..9660, 9757..9927, 9758..9922, 9759..9947, 9760..9927, 10061..10384, 10065..10382, 10066..10383, 10531..10650, 10532..10648, 10533..10649		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o1.tw	Method	TBLASTX:Wheat
Start	9304	End	9838
GI	none	Score	35
Exons	9304..9336, 9330..9386, 9331..9387, 9386..9448, 9433..9459, 9463..9660, 9463..9660, 9757..9834, 9758..9838, 9767..9838		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-

Start	9448	End	10687
Name	OJ000113_21.0317.C20.o2.tc	Method	TBLASTX:Cress
Start	9435	End	10650
GI	none	Score	106
Exons	9435..9575, 9448..9660, 9463..9639, 9482..9658, 9757..9927, 9758..9922, 9760..9927, 10061..10384, 10068..10382, 10114..10434, 10531..10650, 10531..10635, 10533..10649		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o1.ts	Method	TBLASTX:Soybean
Start	9438	End	10650
GI	none	Score	172
Exons	9438..9575, 9448..9660, 9485..9658, 9757..9927, 9758..9925, 9766..9972, 9780..9935, 10061..10384, 10062..10382, 10526..10642, 10531..10650, 10533..10649		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o4.gs	Method	GENSCAN
Start	9448	End	10381
GI	none	Score	.53
Exons	9448..9924, 10064..10381		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o3.np	Method	AAT/NAP
Start	9451	End	10687
GI	2499497	Score	1138
Exons	9451..9657, 9766..9924, 10064..10381, 10533..10687		
GI Descrip.	PHOSPHOGLYCERATE KINASE, CHLOROPLAST PRECURSOR gi|7434546|pir||T03660 phosphoglycerate kinase (EC 2.7.2.3) precursor, chloroplast - common tobacco gi|1161600|emb|CAA88841.1| (Z48977) phosphoglycerate kinase [Nicotiana tabacum]		

Seq. No.	42336	Seq. ID	OJ000113_21.0317.C20
Gene No.	88173	Strand	-
Start	9448	End	10687
Name	OJ000113_21.0317.C20.o2.tw	Method	TBLASTX:Wheat
Start	10091	End	10384
GI	none	Score	387
Exons	10091..10384, 10091..10384		

Seq. No.	42337	Seq. ID	OJ000303_27.0328.C1
Gene No.	88174	Strand	+
Start	1227	End	2441
Name	OJ000303_27.0328.C1.o1.np	Method	AAT/NAP
Start	1227	End	2441
GI	6721543	Score	78
Exons	1227..1356, 2007..2082, 2401..2441		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	42337	Seq. ID	OJ000303_27.0328.C1

Gene No.	88175	Strand	-
Start	1866	End	5833
Name	OJ000303_27.0328.C1.o1.gp	Method	AAT/GAP
Start	1588	End	2041
GI	LIB3431-045-P1-N1-A10	Score	848
Exons	1588..2041		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	42337	Seq. ID	OJ000303_27.0328.C1
Gene No.	88175	Strand	-
Start	1866	End	5833
Name	OJ000303_27.0328.C1.o1.gs	Method	GENSCAN
Start	1866	End	5607
GI	none	Score	.75
Exons	1866..2026, 2177..2379, 2384..2431, 2495..2626, 2727..2782, 2940..3122, 3215..3473, 3550..3848, 3940..4350, 4525..4771, 4877..5027, 5410..5607		

Seq. No.	42337	Seq. ID	OJ000303_27.0328.C1
Gene No.	88175	Strand	-
Start	1866	End	5833
Name	OJ000303_27.0328.C1.o2.np	Method	AAT/NAP
Start	2145	End	5833
GI	5441880	Score	2992
Exons	2145..2379, 2495..2626, 2873..2970, 3215..3473, 3550..3848, 4435..4771, 4877..5027, 5530..5833		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	42337	Seq. ID	OJ000303_27.0328.C1
Gene No.	88175	Strand	-
Start	1866	End	5833
Name	OJ000303_27.0328.C1.o2.gp	Method	AAT/GAP
Start	3223	End	3722
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	3223..3473, 3550..3722		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	42338	Seq. ID	OJ000303_27.0328.C2
Gene No.	88176	Strand	-
Start	1	End	3025
Name	OJ000303_27.0328.C2.o1.np	Method	AAT/NAP
Start	1	End	1851
GI	7228442	Score	3252
Exons	1..1851		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42338	Seq. ID	OJ000303_27.0328.C2
Gene No.	88176	Strand	-
Start	1	End	3025
Name	OJ000303_27.0328.C2.o2.np	Method	AAT/NAP

Start	1	End	3025
GI	6063557	Score	194
Exons	1..28, 2554..2740, 2973..3025		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	42338	Seq. ID	OJ000303_27.0328.C2
Gene No.	88176	Strand	-
Start	1	End	3025
Name	OJ000303_27.0328.C2.o1.gs	Method	GENSCAN
Start	175	End	1851
GI	none	Score	.99
Exons	175..1851		

Seq. No.	42338	Seq. ID	OJ000303_27.0328.C2
Gene No.	88176	Strand	-
Start	1	End	3025
Name	OJ000303_27.0328.C2.o1.tw	Method	TBLASTX:Wheat
Start	193	End	543
GI	none	Score	79
Exons	193..339, 205..339, 218..343, 337..534, 349..543		

Seq. No.	42338	Seq. ID	OJ000303_27.0328.C2
Gene No.	88176	Strand	-
Start	1	End	3025
Name	OJ000303_27.0328.C2.o1.tm	Method	TBLASTX:Maize
Start	241	End	837
GI	none	Score	151
Exons	241..312, 376..675, 437..658, 709..837, 731..829		

Seq. No.	42338	Seq. ID	OJ000303_27.0328.C2
Gene No.	88176	Strand	-
Start	1	End	3025
Name	OJ000303_27.0328.C2.o1.gp	Method	AAT/GAP
Start	363	End	794
GI	5701669	Score	837
Exons	363..794		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	42338	Seq. ID	OJ000303_27.0328.C2
Gene No.	88176	Strand	-
Start	1	End	3025
Name	OJ000303_27.0328.C2.o2.gs	Method	GENSCAN
Start	2628	End	2767
GI	none	Score	.86
Exons	2628..2767		

Seq. No.	42339	Seq. ID	OJ000303_27.0328.C3
Gene No.	88177	Strand	+
Start	535	End	2652
Name	OJ000303_27.0328.C3.o1.gs	Method	GENSCAN
Start	535	End	2652
GI	none	Score	.78
Exons	535..692, 1318..1754, 1813..2652		

Seq. No.	42339	Seq. ID	OJ000303_27.0328.C3

Gene No.	88178	Strand	-
Start	5232	End	6992
Name	OJ000303_27.0328.C3.o2.gs	Method	GENSCAN
Start	5232	End	6592
GI	none	Score	.73
Exons	5232..5501, 6467..6592		

Seq. No.	42339	Seq. ID	OJ000303_27.0328.C3
Gene No.	88178	Strand	-
Start	5232	End	6992
Name	OJ000303_27.0328.C3.o1.np	Method	AAT/NAP
Start	5241	End	6992
GI	3283026	Score	306
Exons	5241..5462, 5529..5636, 5729..5847, 5959..6371, 6467..6733, 6976..6992		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	42339	Seq. ID	OJ000303_27.0328.C3
Gene No.	88178	Strand	-
Start	5232	End	6992
Name	OJ000303_27.0328.C3.o1.tc	Method	TBLASTX:Cress
Start	5396	End	6733
GI	none	Score	63
Exons	5396..5506, 5538..5636, 5726..5845, 5732..5842, 5745..5849, 6575..6733		

Seq. No.	42339	Seq. ID	OJ000303_27.0328.C3
Gene No.	88178	Strand	-
Start	5232	End	6992
Name	OJ000303_27.0328.C3.o1.ts	Method	TBLASTX:Soybean
Start	5535	End	5863
GI	none	Score	103
Exons	5535..5639, 5724..5849, 5732..5863		

Seq. No.	42339	Seq. ID	OJ000303_27.0328.C3
Gene No.	88178	Strand	-
Start	5232	End	6992
Name	OJ000303_27.0328.C3.o1.tm	Method	TBLASTX:Maize
Start	6327	End	6686
GI	none	Score	45
Exons	6327..6377, 6454..6495, 6458..6544, 6458..6544, 6572..6682, 6572..6685, 6573..6686		

Seq. No.	42340	Seq. ID	OJ000303_27.0328.C6
Gene No.	88179	Strand	-
Start	323	End	3922
Name	OJ000303_27.0328.C6.o1.np	Method	AAT/NAP
Start	323	End	3922
GI	6587806	Score	575
Exons	323..420, 712..889, 1248..1368, 1447..1652, 2138..2266, 2636..2775, 3470..3922		
GI Descrip.	(AC010924) Contains similarity to gb|M82916 MRS2 protein from Saccharomyces cerivisae. ESTs gb|N96043, gb|AI998651, gb|AA585850, gb|T42027 come from this gene. [Arabidopsis thaliana]		

Seq. No.	42340	Seq. ID	OJ000303_27.0328.C6

Gene No.	88179	Strand	-
Start	323	End	3922
Name	OJ000303_27.0328.C6.o1.gp	Method	AAT/GAP
Start	454	End	899
GI	none	Score	798
Exons	454..899		

Seq. No.	42340	Seq. ID	OJ000303_27.0328.C6
Gene No.	88179	Strand	-
Start	323	End	3922
Name	OJ000303_27.0328.C6.o2.ts	Method	TBLASTX:Soybean
Start	578	End	896
GI	none	Score	76
Exons	578..703, 716..889, 717..857, 737..889, 774..896, 796..891		

Seq. No.	42340	Seq. ID	OJ000303_27.0328.C6
Gene No.	88179	Strand	-
Start	323	End	3922
Name	OJ000303_27.0328.C6.o1.gs	Method	GENSCAN
Start	584	End	3841
GI	none	Score	.92
Exons	584..889, 1248..1383, 1510..1652, 2138..2266, 2636..2884, 3470..3841		

Seq. No.	42340	Seq. ID	OJ000303_27.0328.C6
Gene No.	88179	Strand	-
Start	323	End	3922
Name	OJ000303_27.0328.C6.o2.tm	Method	TBLASTX:Maize
Start	628	End	2269
GI	none	Score	268
Exons	628..744, 629..892, 629..889, 1245..1385, 1248..1385, 1253..1387, 1265..1387, 1506..1655, 1508..1654, 1549..1656, 2134..2259, 2135..2269, 2136..2222, 2137..2259		

Seq. No.	42340	Seq. ID	OJ000303_27.0328.C6
Gene No.	88179	Strand	-
Start	323	End	3922
Name	OJ000303_27.0328.C6.o1.ts	Method	TBLASTX:Soybean
Start	1224	End	3760
GI	none	Score	69
Exons	1224..1319, 1227..1337, 1584..1655, 2133..2261, 2135..2269, 2136..2222, 2138..2269, 2625..2720, 2636..2755, 3488..3622, 3488..3760, 3489..3755		

Seq. No.	42340	Seq. ID	OJ000303_27.0328.C6
Gene No.	88179	Strand	-
Start	323	End	3922
Name	OJ000303_27.0328.C6.o2.gp	Method	AAT/GAP
Start	1302	End	3712
GI	21496_1.R1084	Score	1551
Exons	1302..1383, 1510..1652, 2138..2266, 2636..2884, 3470..3712		
GI Descrip.	'4406759/gb|AAD20070| 1.0e-15 (AC006836) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42340	Seq. ID	OJ000303_27.0328.C6
Gene No.	88179	Strand	-
Start	323	End	3922

Name	OJ000303_27.0328.C6.o1.tm	Method	TBLASTX:Maize
Start	2619	End	3764
GI	none	Score	192
Exons	2619..2873, 2625..2885, 2627..2899, 2627..2887, 3458..3631, 3470..3763, 3471..3764		

Seq. No.	42340	Seq. ID	OJ000303_27.0328.C6
Gene No.	88179	Strand	-
Start	323	End	3922
Name	OJ000303_27.0328.C6.o1.tc	Method	TBLASTX:Cress
Start	3488	End	3760
GI	none	Score	164
Exons	3488..3760, 3489..3755		

Seq. No.	42341	Seq. ID	OJ000303_27.0328.C7
Gene No.	88180	Strand	-
Start	707	End	942
Name	OJ000303_27.0328.C7.o1.np	Method	AAT/NAP
Start	707	End	942
GI	6069646	Score	108
Exons	707..942		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88181	Strand	+
Start	3438	End	6137
Name	OJ000303_27.0328.C8.o1.gp	Method	AAT/GAP
Start	3438	End	3950
GI	64990_1.R1084	Score	629
Exons	3438..3574, 3747..3950		
GI Descrip.	'1769901/emb|CAA65052| 2.0e-14 (X95737) proline transporter 1 [Arabidopsis thaliana] >gi_2088642 (AF002109) proline transporter 1 [Arabidopsis thaliana]'		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88181	Strand	+
Start	3438	End	6137
Name	OJ000303_27.0328.C8.o1.gs	Method	GENSCAN
Start	3469	End	6137
GI	none	Score	.98
Exons	3469..3574, 3747..3971, 4099..4193, 4315..4507, 4916..5256, 5661..5891, 5985..6137		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88181	Strand	+
Start	3438	End	6137
Name	OJ000303_27.0328.C8.o1.np	Method	AAT/NAP
Start	3469	End	6134
GI	7415521	Score	717
Exons	3469..3636, 3725..3971, 4099..4210, 4335..4507, 4916..5256, 5661..5895, 5992..6134		
GI Descrip.	(AB022783) amino acid permease [Oryza sativa]		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88182	Strand	+
Start	15972	End	19379
Name	OJ000303_27.0328.C8.o3.gs	Method	GENSCAN
Start	15972	End	19379
GI	none	Score	.82
Exons	15972..16013, 17838..19379		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88183	Strand	+
Start	26639	End	31765
Name	OJ000303_27.0328.C8.o5.np	Method	AAT/NAP
Start	25095	End	26362
GI	225269	Score	210
Exons	25095..25283, 26093..26362		
GI Descrip.	NADH dehydrogenase 2-like ORF 260 [Nicotiana tabacum]		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88183	Strand	+
Start	26639	End	31765
Name	OJ000303_27.0328.C8.o6.np	Method	AAT/NAP
Start	25173	End	27515
GI	3928084	Score	146
Exons	25173..25205, 27155..27515		
GI Descrip.	(AC005770) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88183	Strand	+
Start	26639	End	31765
Name	OJ000303_27.0328.C8.o6.gs	Method	GENSCAN
Start	26639	End	31625
GI	none	Score	.68
Exons	26639..26760, 27140..27319, 27321..27553, 27568..27703, 27855..27888, 27956..28041, 28099..28386, 29022..29125, 30072..30142, 30224..30474, 30617..30687, 30858..31045, 31192..31263, 31398..31625		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88183	Strand	+
Start	26639	End	31765
Name	OJ000303_27.0328.C8.o7.np	Method	AAT/NAP
Start	30059	End	31765
GI	7340659	Score	225
Exons	30059..30158, 30234..30425, 30858..31057, 31171..31309, 31453..31621, 31678..31765		
GI Descrip.	(AL162506) histone deacetylase-like protein [Arabidopsis thaliana]		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88184	Strand	-
Start	6488	End	16180
Name	OJ000303_27.0328.C8.o2.gp	Method	AAT/GAP
Start	6488	End	7574
GI	18509_1.R1084	Score	1585
Exons	6488..7080, 7209..7265, 7367..7574		
GI Descrip.	'6016736/gb|AAF01562.1|AC009325_32 2.0e-21 (AC009325) unknown		

protein [Arabidopsis thaliana]'

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88184	Strand	-
Start	6488	End	16180
Name	OJ000303_27.0328.C8.o2.gs	Method	GENSCAN
Start	6769	End	11429
GI	none	Score	.74
Exons	6769..6909, 7209..7265, 7468..7600, 7665..7792, 7891..7996, 8169..8248, 8637..8734, 8816..8929, 9015..9155, 9249..9333, 10209..10863, 11374..11429		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88184	Strand	-
Start	6488	End	16180
Name	OJ000303_27.0328.C8.o2.np	Method	AAT/NAP
Start	7003	End	16180
GI	6728858	Score	984
Exons	7003..7080, 7209..7265, 7367..7565, 7665..7996, 8169..8248, 8637..8734, 8816..8929, 9015..9155, 9249..9333, 10209..10441, 16090..16180		
GI Descrip.	(AC008113) F12A21.5 [Arabidopsis thaliana]		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88184	Strand	-
Start	6488	End	16180
Name	OJ000303_27.0328.C8.o3.gp	Method	AAT/GAP
Start	7902	End	8902
GI	60907_1.R1084	Score	641
Exons	7902..7996, 8169..8248, 8637..8734, 8816..8902		
GI Descrip.	'6016736/gb|AAF01562.1|AC009325_32 4.0e-45 (AC009325) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88184	Strand	-
Start	6488	End	16180
Name	OJ000303_27.0328.C8.o4.gp	Method	AAT/GAP
Start	9004	End	10321
GI	LIB3434-007-P1-K1-G3	Score	565
Exons	9004..9155, 9249..9333, 10209..10321		
GI Descrip.	'6016736/gb|AAF01562.1|AC009325_32 3.0e-34 (AC009325) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88185	Strand	-
Start	19699	End	22160
Name	OJ000303_27.0328.C8.o4.gs	Method	GENSCAN
Start	19699	End	22160
GI	none	Score	.62
Exons	19699..19711, 20309..20404, 21284..21642, 21668..21802, 21876..22160		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88185	Strand	-
Start	19699	End	22160
Name	OJ000303_27.0328.C8.o5.gp	Method	AAT/GAP
Start	20515	End	20813

GI	569735	Score	543
Exons	20515..20813		
Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88186	Strand	-
Start	23062	End	24649
Name	OJ000303_27.0328.C8.o4.np	Method	AAT/NAP
Start	23056	End	24649
GI	4850388	Score	245
Exons	23056..23653, 23732..24023, 24551..24649		
GI Descrip.	(AC007357) F3F19.7 [Arabidopsis thaliana]		
Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88186	Strand	-
Start	23062	End	24649
Name	OJ000303_27.0328.C8.o5.gs	Method	GENSCAN
Start	23062	End	24429
GI	none	Score	1
Exons	23062..24429		
Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o2.ts	Method	TBLASTX:Soybean
Start	3725	End	4509
GI	none	Score	201
Exons	3725..3973, 3745..3972, 4088..4216, 4089..4208, 4354..4509		
Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o3.tc	Method	TBLASTX:Cress
Start	3725	End	6137
GI	none	Score	212
Exons	3725..3973, 3734..4030, 4089..4208, 4354..4509, 4915..5274, 4983..5255, 5723..5869, 5736..5888, 5997..6137		
Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o3.tm	Method	TBLASTX:Maize
Start	3725	End	4193
GI	none	Score	210
Exons	3725..3973, 3760..3972, 4098..4193		
Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o2.tm	Method	TBLASTX:Maize
Start	4338	End	5178
GI	none	Score	262
Exons	4338..4508, 4339..4509, 4914..4949, 4915..4950, 4950..5177, 4951..5178		
Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820

Name	OJ000303_27.0328.C8.o1.tw	Method	TBLASTX:Wheat
Start	4354	End	5202
GI	none	Score	95
Exons	4354..4509, 4915..5202, 4935..5195		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o3.ts	Method	TBLASTX:Soybean
Start	4966	End	6137
GI	none	Score	247
Exons	4966..5268, 5736..5888, 6018..6137		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o1.tm	Method	TBLASTX:Maize
Start	6925	End	9339
GI	none	Score	142
Exons	6925..7083, 6959..7081, 7178..7267, 7209..7265, 7210..7269, 7210..7266, 7364..7570, 7365..7430, 7366..7566, 7664..7792, 7665..7796, 7665..7793, 7891..7998, 7895..7999, 7896..8030, 7919..7999, 8166..8273, 8171..8278, 8634..8735, 8635..8745, 8635..8742, 8814..8930, 8814..8930, 8815..8931, 9010..9162, 9015..9101, 9017..9163, 9239..9337, 9247..9339, 9248..9337, 9249..9338, 9253..9339		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o2.tc	Method	TBLASTX:Cress
Start	7000	End	7995
GI	none	Score	126
Exons	7000..7083, 7209..7262, 7520..7570, 7664..7792, 7665..7796, 7686..7793, 7891..7995, 7895..7990		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o1.ts	Method	TBLASTX:Soybean
Start	7664	End	10283
GI	none	Score	112
Exons	7664..7792, 7665..7793, 7686..7793, 7688..7795, 7891..7998, 7892..7999, 8169..8273, 8171..8278, 8634..8735, 8635..8745, 8647..8736, 8814..8939, 8815..8931, 8834..8941, 9002..9163, 9010..9162, 9247..9336, 9248..9334, 10203..10283		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o1.tc	Method	TBLASTX:Cress
Start	8815	End	10280
GI	none	Score	80
Exons	8815..8931, 8817..8930, 9010..9162, 9017..9163, 9247..9336, 9248..9340, 10203..10280		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8

Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o4.tc	Method	TBLASTX:Cress
Start	18642	End	19316
GI	none	Score	68
Exons	18642..18800, 18975..19316		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o4.ts	Method	TBLASTX:Soybean
Start	26216	End	26366
GI	none	Score	205
Exons	26216..26365, 26216..26359, 26217..26366		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o5.tm	Method	TBLASTX:Maize
Start	27336	End	27516
GI	none	Score	197
Exons	27336..27491, 27337..27516		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o4.tm	Method	TBLASTX:Maize
Start	30064	End	30412
GI	none	Score	77
Exons	30064..30111, 30065..30151, 30221..30412, 30274..30408		

Seq. No.	42342	Seq. ID	OJ000303_27.0328.C8
Gene No.	88187	Strand	-
Start	33379	End	33820
Name	OJ000303_27.0328.C8.o7.gs	Method	GENSCAN
Start	33379	End	33820
GI	none	Score	.78
Exons	33379..33439, 33534..33645, 33775..33820		

Seq. No.	42343	Seq. ID	OJ000303_27.0328.C9
Gene No.	88188	Strand	-
Start	273	End	738
Name	OJ000303_27.0328.C9.o1.np	Method	AAT/NAP
Start	273	End	738
GI	2392769	Score	143
Exons	273..488, 655..738		
GI Descrip.	(AC002534) putative histone deacetylase [Arabidopsis thaliana]		

Seq. No.	42343	Seq. ID	OJ000303_27.0328.C9
Gene No.	88189	Strand	-
Start	1463	End	1653
Name	OJ000303_27.0328.C9.o1.tm	Method	TBLASTX:Maize
Start	282	End	726
GI	none	Score	144
Exons	282..467, 283..468, 296..469, 379..477, 628..726		

Seq. No.	42343	Seq. ID	OJ000303_27.0328.C9

Gene No.	88189	Strand	-
Start	1463	End	1653
Name	OJ000303_27.0328.C9.o1.gs	Method	GENSCAN
Start	1463	End	1653
GI	none	Score	.87
Exons	1463..1653		

Seq. No.	42344	Seq. ID	OJ000303_27.0328.C10
Gene No.	88190	Strand	-
Start	1	End	9160
Name	OJ000303_27.0328.C10.o1.np	Method	AAT/NAP
Start	1	End	9160
GI	6102610	Score	952
Exons	1..26, 672..1000, 1277..1558, 1645..2118, 2227..2435, 2529..2715, 2994..3095, 3174..3884, 4103..4191, 4668..5004, 5154..5413, 5493..5662, 5744..5936, 6023..6317, 6865..7149, 7206..7280, 7606..7679, 8007..8076, 8180..8314, 8893..9006, 9082..9160		
GI Descrip.	(AF187317) CAF protein [Arabidopsis thaliana]		

Seq. No.	42344	Seq. ID	OJ000303_27.0328.C10
Gene No.	88190	Strand	-
Start	1	End	9160
Name	OJ000303_27.0328.C10.o1.gs	Method	GENSCAN
Start	153	End	9006
GI	none	Score	.87
Exons	153..264, 396..579, 674..1000, 1277..1558, 1645..2118, 2520..2743, 2998..3095, 3174..3664, 3744..4015, 4761..5017, 5167..5385, 5502..5662, 5744..5936, 6023..6128, 6442..6616, 6899..7051, 7158..7289, 7615..7679, 8928..9006		

Seq. No.	42344	Seq. ID	OJ000303_27.0328.C10
Gene No.	88190	Strand	-
Start	1	End	9160
Name	OJ000303_27.0328.C10.o2.tm	Method	TBLASTX:Maize
Start	491	End	1053
GI	none	Score	93
Exons	491..580, 493..585, 497..589, 653..754, 673..756, 674..751, 758..1000, 760..1053, 780..1001		

Seq. No.	42344	Seq. ID	OJ000303_27.0328.C10
Gene No.	88190	Strand	-
Start	1	End	9160
Name	OJ000303_27.0328.C10.o2.np	Method	AAT/NAP
Start	659	End	9160
GI	6714410	Score	761
Exons	659..1000, 1277..1558, 1645..1997, 2046..2118, 2227..2437, 2528..2729, 3020..3095, 3174..3567, 3672..3847, 3952..4101, 4767..5013, 5163..5343, 5463..5662, 5744..6078, 6666..6765, 6904..7023, 8049..8319, 8967..9006, 9082..9160		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	42344	Seq. ID	OJ000303_27.0328.C10
Gene No.	88190	Strand	-
Start	1	End	9160
Name	OJ000303_27.0328.C10.o1.ts	Method	TBLASTX:Soybean
Start	893	End	2387

GI	none	Score	85
Exons	893..1003, 1343..1561, 1663..1737, 2277..2387		

Seq. No.	42344	Seq. ID	OJ000303_27.0328.C10
Gene No.	88190	Strand	-
Start	1	End	9160
Name	OJ000303_27.0328.C10.o1.tm	Method	TBLASTX:Maize
Start	1379	End	2594
GI	none	Score	54
Exons	1379..1561, 1726..1767, 1728..1781, 1754..1858, 1765..2136, 1771..2136, 2226..2270, 2227..2274, 2228..2278, 2282..2434, 2283..2435, 2283..2435, 2284..2436, 2284..2436, 2288..2440, 2506..2568, 2517..2594, 2525..2593		

Seq. No.	42344	Seq. ID	OJ000303_27.0328.C10
Gene No.	88190	Strand	-
Start	1	End	9160
Name	OJ000303_27.0328.C10.o2.ts	Method	TBLASTX:Soybean
Start	1843	End	2115
GI	none	Score	75
Exons	1843..1980, 1843..2022, 2023..2115, 2039..2110		

Seq. No.	42344	Seq. ID	OJ000303_27.0328.C10
Gene No.	88190	Strand	-
Start	1	End	9160
Name	OJ000303_27.0328.C10.o3.tm	Method	TBLASTX:Maize
Start	3290	End	3769
GI	none	Score	131
Exons	3290..3484, 3290..3487, 3292..3504, 3292..3498, 3485..3598, 3489..3665, 3496..3666, 3510..3671, 3511..3666, 3734..3769		

Seq. No.	42344	Seq. ID	OJ000303_27.0328.C10
Gene No.	88190	Strand	-
Start	1	End	9160
Name	OJ000303_27.0328.C10.o3.ts	Method	TBLASTX:Soybean
Start	3954	End	5265
GI	none	Score	106
Exons	3954..4016, 4778..5020, 4804..5004, 5134..5265, 5163..5261		

Seq. No.	42344	Seq. ID	OJ000303_27.0328.C10
Gene No.	88190	Strand	-
Start	1	End	9160
Name	OJ000303_27.0328.C10.o4.tm	Method	TBLASTX:Maize
Start	7180	End	8243
GI	none	Score	110
Exons	7180..7281, 7182..7292, 7603..7680, 7994..8077, 8005..8085, 8008..8079, 8166..8231, 8174..8230, 8175..8243, 8180..8236		

Seq. No.	42345	Seq. ID	OJ000303_27.0328.C11
Gene No.	88191	Strand	+
Start	1	End	2099
Name	OJ000303_27.0328.C11.o1.np	Method	AAT/NAP
Start	1	End	2099
GI	5852093	Score	64
Exons	1..35, 253..369, 2002..2099		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	42345	Seq. ID	OJ000303_27.0328.C11
Gene No.	88192	Strand	+
Start	2132	End	5749
Name	OJ000303_27.0328.C11.o1.gs	Method	GENSCAN
Start	2132	End	5749
GI	none	Score	.83
Exons	2132..2511, 2567..3186, 3315..3493, 4123..4203, 4315..4401, 4487..4493, 4728..4799, 5199..5279, 5643..5749		

Seq. No.	42345	Seq. ID	OJ000303_27.0328.C11
Gene No.	88193	Strand	-
Start	6900	End	7975
Name	OJ000303_27.0328.C11.o1.gp	Method	AAT/GAP
Start	6777	End	6981
GI	5900746	Score	314
Exons	6777..6981		

Seq. No.	42345	Seq. ID	OJ000303_27.0328.C11
Gene No.	88193	Strand	-
Start	6900	End	7975
Name	OJ000303_27.0328.C11.o2.gs	Method	GENSCAN
Start	6900	End	7874
GI	none	Score	.84
Exons	6900..7874		

Seq. No.	42345	Seq. ID	OJ000303_27.0328.C11
Gene No.	88193	Strand	-
Start	6900	End	7975
Name	OJ000303_27.0328.C11.o2.np	Method	AAT/NAP
Start	6903	End	7845
GI	7459232	Score	633
Exons	6903..7557, 7645..7845		
GI Descrip.	hypothetical protein T20K18.40 - Arabidopsis thaliana gi|4586245|emb|CAB40986.1| (AL049640) putative protein [Arabidopsis thaliana] gi|7267970|emb|CAB78311.1| (AL161534) putative protein [Arabidopsis thaliana]		

Seq. No.	42345	Seq. ID	OJ000303_27.0328.C11
Gene No.	88193	Strand	-
Start	6900	End	7975
Name	OJ000303_27.0328.C11.o1.tm	Method	TBLASTX:Maize
Start	7059	End	7975
GI	none	Score	90
Exons	7059..7115, 7059..7187, 7060..7188, 7156..7557, 7182..7556, 7632..7775, 7656..7760, 7675..7776, 7806..7877, 7807..7887, 7934..7975		

Seq. No.	42345	Seq. ID	OJ000303_27.0328.C11
Gene No.	88193	Strand	-
Start	6900	End	7975
Name	OJ000303_27.0328.C11.o2.ts	Method	TBLASTX:Soybean
Start	7200	End	7364
GI	none	Score	186
Exons	7200..7364		

Seq. No.	42345	Seq. ID	OJ000303_27.0328.C11
Gene No.	88193	Strand	-

Start	6900	End	7975
Name	OJ000303_27.0328.C11.o1.ts	Method	TBLASTX:Soybean
Start	7407	End	7775
GI	none	Score	67
Exons	7407..7550, 7441..7548, 7665..7775		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88194	Strand	+
Start	1	End	1709
Name	OJ000303_27.0328.C12.o1.np	Method	AAT/NAP
Start	1	End	1709
GI	4586028	Score	724
Exons	1..1709		
GI Descrip.	(AC007109) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88195	Strand	+
Start	2604	End	3942
Name	OJ000303_27.0328.C12.o2.np	Method	AAT/NAP
Start	2604	End	3942
GI	6498436	Score	232
Exons	2604..2988, 3848..3942		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o3.ts	Method	TBLASTX:Soybean
Start	100	End	3348
GI	none	Score	192
Exons	100..306, 100..300, 3271..3348		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o1.ts	Method	TBLASTX:Soybean
Start	706	End	1161
GI	5509260	Score	239
Exons	706..1068, 840..965, 1063..1161		
GI Descrip.	-		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o1.tm	Method	TBLASTX:Maize
Start	729	End	1050
GI	none	Score	303
Exons	729..1049, 730..1050		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o1.tc	Method	TBLASTX:Cress
Start	813	End	1070
GI	none	Score	238
Exons	813..1070, 814..1068		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o1.tw	Method	TBLASTX:Wheat
Start	870	End	1413
GI	none	Score	161
Exons	870..965, 871..1068, 1029..1070, 1063..1161, 1203..1313, 1318..1413		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o2.ts	Method	TBLASTX:Soybean
Start	1335	End	1699
GI	none	Score	149
Exons	1335..1553, 1351..1548, 1556..1699, 1558..1698		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o2.tm	Method	TBLASTX:Maize
Start	1653	End	1997
GI	none	Score	242
Exons	1653..1901, 1698..1874, 1703..1900, 1894..1971, 1896..1997, 1900..1971, 1902..1997		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o2.gs	Method	GENSCAN
Start	1731	End	6093
GI	none	Score	.83
Exons	1731..1835, 2090..2230, 2328..2506, 3301..3345, 3628..3786, 3812..3913, 4036..4092, 4169..4397, 5409..5564, 5628..5780, 5862..6093		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o1.gp	Method	AAT/GAP
Start	2174	End	4810
GI	12408_1.R1084	Score	1115
Exons	2174..2230, 2328..2506, 4063..4092, 4169..4397, 4582..4652, 4749..4810		
GI Descrip.	'2257756 2.0e-18 (U82815) nucleolar histone deacetylase HD2-p39 [Zea mays] >gi_3650466 (AF026917) histone deacetylase HD2-p39 [Zea mays]'		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o3.np	Method	AAT/NAP
Start	3224	End	6231
GI	6498436	Score	357
Exons	3224..3345, 3612..3933, 6057..6231		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o4.np	Method	AAT/NAP
Start	4195	End	5478
GI	7489751	Score	89
Exons	4195..4382, 5429..5478		
GI Descrip.	histone deacetylase (EC 3.5.1.-) HD2-p39, nucleolar - maize gi|2257756|gb|AAB63262.1| (U82815) nucleolar histone deacetylase HD2-p39 [Zea mays] gi|3650466|gb|AAC61674.1| (AF026917) histone deacetylase HD2-p39 [Zea mays]		

Seq. No.	42346	Seq. ID	OJ000303_27.0328.C12
Gene No.	88196	Strand	-
Start	1731	End	7157
Name	OJ000303_27.0328.C12.o5.np	Method	AAT/NAP
Start	6020	End	7157
GI	7228450	Score	212
Exons	6020..6133, 6212..6345, 6452..6534, 7080..7157		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	42347	Seq. ID	OJ000303_27.0328.C13
Gene No.	88197	Strand	+
Start	1901	End	4334
Name	OJ000303_27.0328.C13.o2.gs	Method	GENSCAN
Start	1901	End	4334
GI	none	Score	.49
Exons	1901..1918, 2015..2037, 2512..2579, 2683..2724, 2802..2924, 3425..3617, 3696..3839, 4229..4334		

Seq. No.	42347	Seq. ID	OJ000303_27.0328.C13
Gene No.	88198	Strand	+
Start	4448	End	7435
Name	OJ000303_27.0328.C13.o1.np	Method	AAT/NAP
Start	4448	End	7435
GI	6069646	Score	455
Exons	4448..5201, 5366..5986, 7380..7435		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42347	Seq. ID	OJ000303_27.0328.C13
Gene No.	88198	Strand	+
Start	4448	End	7435
Name	OJ000303_27.0328.C13.o3.gs	Method	GENSCAN
Start	4899	End	5855
GI	none	Score	.69
Exons	4899..5042, 5059..5169, 5451..5619, 5689..5855		

Seq. No.	42347	Seq. ID	OJ000303_27.0328.C13
Gene No.	88199	Strand	-
Start	8517	End	9501
Name	OJ000303_27.0328.C13.o4.gs	Method	GENSCAN
Start	8517	End	9501

GI	none	Score	.91
Exons	8517..8716, 8791..9002, 9287..9501		
Seq. No.	42347	Seq. ID	OJ000303_27.0328.C13
Gene No.	88200	Strand	-
Start	11526	End	11719
Name	OJ000303_27.0328.C13.o1.tm	Method	TBLASTX:Maize
Start	4311	End	4733
GI	none	Score	92
Exons	4311..4415, 4458..4655, 4695..4733		
Seq. No.	42347	Seq. ID	OJ000303_27.0328.C13
Gene No.	88200	Strand	-
Start	11526	End	11719
Name	OJ000303_27.0328.C13.o2.tm	Method	TBLASTX:Maize
Start	4872	End	5310
GI	none	Score	123
Exons	4872..5045, 5050..5310		
Seq. No.	42347	Seq. ID	OJ000303_27.0328.C13
Gene No.	88200	Strand	-
Start	11526	End	11719
Name	OJ000303_27.0328.C13.o5.gs	Method	GENSCAN
Start	11526	End	11719
GI	none	Score	.64
Exons	11526..11719		
Seq. No.	42348	Seq. ID	OJ000223_21.0327.C1
Gene No.	88201	Strand	+
Start	1	End	364
Name	OJ000223_21.0327.C1.o1.gp	Method	AAT/GAP
Start	1	End	364
GI	33440_1.R1084	Score	704
Exons	1..364		
GI Descrip.	'2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		
Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88202	Strand	+
Start	444	End	3062
Name	OJ000223_21.0327.C2.o1.gs	Method	GENSCAN
Start	444	End	3062
GI	none	Score	.69
Exons	444..469, 1179..1299, 1394..1485, 1853..1919, 2043..2073, 2179..2319, 2828..2924, 3002..3062		
Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88202	Strand	+
Start	444	End	3062
Name	OJ000223_21.0327.C2.o1.np	Method	AAT/NAP
Start	1134	End	2779
GI	7486292	Score	402
Exons	1134..1299, 1394..1485, 1816..1919, 2043..2073, 2179..2319, 2745..2779		
GI Descrip.	hypothetical protein F28J12.130 - Arabidopsis thaliana gi|2832652|emb|CAA16727.1| (AL021710) putative protein		

[Arabidopsis thaliana] gi|7268640|emb|CAB78849.1| (AL161548) putative protein [Arabidopsis thaliana]

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88202	Strand	+
Start	444	End	3062
Name	OJ000223_21.0327.C2.o1.gp	Method	AAT/GAP
Start	1140	End	1558
GI	LIB3434-008-P1-K1-A3	Score	378
Exons	1140..1299, 1394..1489, 1533..1558		
GI Descrip.	'2832652/emb|CAA16727| 2.0e-20 (AL021710) putative protein [Arabidopsis thaliana]'		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88203	Strand	+
Start	15822	End	16291
Name	OJ000223_21.0327.C2.o4.gs	Method	GENSCAN
Start	15822	End	16291
GI	none	Score	.64
Exons	15822..15859, 16258..16291		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88204	Strand	-
Start	3833	End	9067
Name	OJ000223_21.0327.C2.o2.gs	Method	GENSCAN
Start	3833	End	9067
GI	none	Score	.64
Exons	3833..3890, 3934..4718, 6384..6419, 7016..7105, 7265..7399, 8250..8509, 8995..9067		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88204	Strand	-
Start	3833	End	9067
Name	OJ000223_21.0327.C2.o2.gp	Method	AAT/GAP
Start	6998	End	8487
GI	18933_1.R1084	Score	767
Exons	6998..7105, 7264..7399, 8250..8487		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 2.0e-55 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88205	Strand	-
Start	11490	End	14373
Name	OJ000223_21.0327.C2.o3.gs	Method	GENSCAN
Start	11490	End	13103
GI	none	Score	.96
Exons	11490..12456, 12691..13103		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88205	Strand	-
Start	11490	End	14373
Name	OJ000223_21.0327.C2.o2.np	Method	AAT/NAP
Start	11493	End	14373
GI	4204303	Score	848
Exons	11493..12456, 12691..13087, 13175..13246, 14295..14373		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88206	Strand	-
Start	16511	End	16821
Name	OJ000223_21.0327.C2.o2.ts	Method	TBLASTX:Soybean
Start	1267	End	2901
GI	none	Score	52
Exons	1267..1308, 1384..1488, 1388..1489, 1850..1924, 1854..1922, 2171..2317, 2177..2320, 2178..2321, 2743..2784, 2744..2779, 2842..2901, 2850..2900		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88206	Strand	-
Start	16511	End	16821
Name	OJ000223_21.0327.C2.o2.tm	Method	TBLASTX:Maize
Start	7037	End	8378
GI	none	Score	62
Exons	7037..7108, 7059..7106, 7059..7121, 7235..7396, 7260..7394, 8250..8321, 8250..8378, 8254..8367		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88206	Strand	-
Start	16511	End	16821
Name	OJ000223_21.0327.C2.o3.ts	Method	TBLASTX:Soybean
Start	7265	End	8378
GI	none	Score	145
Exons	7265..7396, 7266..7385, 8250..8378, 8254..8367		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88206	Strand	-
Start	16511	End	16821
Name	OJ000223_21.0327.C2.o1.tm	Method	TBLASTX:Maize
Start	11775	End	13205
GI	none	Score	68
Exons	11775..11858, 11809..11859, 12393..12458, 12690..12842, 12694..12825, 12835..12915, 12837..12920, 12912..13088, 12940..13086, 13176..13205		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88206	Strand	-
Start	16511	End	16821
Name	OJ000223_21.0327.C2.o1.tc	Method	TBLASTX:Cress
Start	12396	End	13259
GI	none	Score	141
Exons	12396..12458, 12690..12797, 12691..12798, 12790..12969, 12795..13010, 12979..13011, 13005..13088, 13006..13086, 13176..13259		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2
Gene No.	88206	Strand	-
Start	16511	End	16821
Name	OJ000223_21.0327.C2.o1.ts	Method	TBLASTX:Soybean
Start	12711	End	13047
GI	none	Score	352
Exons	12711..13046, 12712..13047		

Seq. No.	42349	Seq. ID	OJ000223_21.0327.C2

Gene No.	88206	Strand	-
Start	16511	End	16821
Name	OJ000223_21.0327.C2.o5.gs	Method	GENSCAN
Start	16511	End	16821
GI	none	Score	.97
Exons	16511..16574, 16709..16821		

Seq. No.	42350	Seq. ID	OJ000223_21.0327.C5
Gene No.	88207	Strand	+
Start	2605	End	3645
Name	OJ000223_21.0327.C5.o1.gp	Method	AAT/GAP
Start	2605	End	2883
GI	2442524	Score	525
Exons	2605..2883		

Seq. No.	42350	Seq. ID	OJ000223_21.0327.C5
Gene No.	88207	Strand	+
Start	2605	End	3645
Name	OJ000223_21.0327.C5.o1.gs	Method	GENSCAN
Start	2686	End	3645
GI	none	Score	.76
Exons	2686..2769, 3113..3411, 3543..3645		

Seq. No.	42350	Seq. ID	OJ000223_21.0327.C5
Gene No.	88207	Strand	+
Start	2605	End	3645
Name	OJ000223_21.0327.C5.o1.np	Method	AAT/NAP
Start	2689	End	3379
GI	6714393	Score	227
Exons	2689..3046, 3113..3379		
GI Descrip.	(AC012393) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42350	Seq. ID	OJ000223_21.0327.C5
Gene No.	88208	Strand	+
Start	9107	End	9647
Name	OJ000223_21.0327.C5.o2.np	Method	AAT/NAP
Start	9107	End	9647
GI	2459411	Score	122
Exons	9107..9334, 9431..9647		
GI Descrip.	(AC002332) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42350	Seq. ID	OJ000223_21.0327.C5
Gene No.	88208	Strand	+
Start	9107	End	9647
Name	OJ000223_21.0327.C5.o1.tm	Method	TBLASTX:Maize
Start	9486	End	9646
GI	none	Score	213
Exons	9486..9626, 9487..9645, 9488..9646		

Seq. No.	42351	Seq. ID	OJ000223_21.0327.C7
Gene No.	88209	Strand	-
Start	3052	End	3463
Name	OJ000223_21.0327.C7.o2.gs	Method	GENSCAN
Start	3052	End	3463
GI	none	Score	.48
Exons	3052..3194, 3376..3463		

Seq. No.	42352	Seq. ID	OJ000223_21.0327.C8
Gene No.	88210	Strand	+
Start	1	End	6217
Name	OJ000223_21.0327.C8.o2.np	Method	AAT/NAP
Start	1	End	6217
GI	5032119	Score	121
Exons	1..25, 2376..2607, 3153..3382, 4724..4820, 5864..6217		
GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		

Seq. No.	42352	Seq. ID	OJ000223_21.0327.C8
Gene No.	88211	Strand	+
Start	6151	End	8391
Name	OJ000223_21.0327.C8.o2.gs	Method	GENSCAN
Start	6151	End	8391
GI	none	Score	.76
Exons	6151..6363, 7429..8391		

Seq. No.	42352	Seq. ID	OJ000223_21.0327.C8
Gene No.	88212	Strand	-
Start	860	End	4296
Name	OJ000223_21.0327.C8.o1.gs	Method	GENSCAN
Start	860	End	4296
GI	none	Score	.57
Exons	860..913, 1010..1092, 1236..1491, 1572..1858, 2875..3083, 3154..3353, 3448..3545, 4158..4296		

Seq. No.	42352	Seq. ID	OJ000223_21.0327.C8
Gene No.	88212	Strand	-
Start	860	End	4296
Name	OJ000223_21.0327.C8.o1.np	Method	AAT/NAP
Start	1343	End	2558
GI	6056195	Score	367
Exons	1343..1491, 1572..1858, 2504..2558		
GI Descrip.	(AC009400) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	42352	Seq. ID	OJ000223_21.0327.C8
Gene No.	88212	Strand	-
Start	860	End	4296
Name	OJ000223_21.0327.C8.o2.tc	Method	TBLASTX:Cress
Start	1408	End	1791
GI	none	Score	78
Exons	1408..1464, 1572..1679, 1573..1662, 1693..1791, 1695..1790		

Seq. No.	42352	Seq. ID	OJ000223_21.0327.C8
Gene No.	88212	Strand	-
Start	860	End	4296
Name	OJ000223_21.0327.C8.o2.tm	Method	TBLASTX:Maize
Start	1571	End	1850
GI	none	Score	76
Exons	1571..1663, 1575..1679, 1576..1653, 1674..1790, 1678..1809, 1809..1850		

Seq. No.	42352	Seq. ID	OJ000223_21.0327.C8
Gene No.	88212	Strand	-
Start	860	End	4296

Name	OJ000223_21.0327.C8.o2.ts	Method	TBLASTX:Soybean
Start	1581	End	1790
GI	none	Score	69
Exons	1581..1679, 1582..1671, 1695..1787, 1695..1790		

Seq. No.	42352	Seq. ID	OJ000223_21.0327.C8
Gene No.	88213	Strand	
Start	6196	End	7935
Name	OJ000223_21.0327.C8.o1.ts	Method	TBLASTX:Soybean
Start	6196	End	7935
GI	none	Score	80
Exons	6196..6267, 7433..7468, 7468..7935, 7521..7928		

Seq. No.	42352	Seq. ID	OJ000223_21.0327.C8
Gene No.	88213	Strand	
Start	6196	End	7935
Name	OJ000223_21.0327.C8.o1.tc	Method	TBLASTX:Cress
Start	7424	End	7671
GI	none	Score	56
Exons	7424..7468, 7465..7626, 7468..7671, 7524..7670		

Seq. No.	42352	Seq. ID	OJ000223_21.0327.C8
Gene No.	88213	Strand	
Start	6196	End	7935
Name	OJ000223_21.0327.C8.o1.tm	Method	TBLASTX:Maize
Start	7576	End	7841
GI	none	Score	357
Exons	7576..7839, 7578..7838, 7590..7841		

Seq. No.	42353	Seq. ID	OJ000223_21.0327.C9
Gene No.	88214	Strand	+
Start	3147	End	6643
Name	OJ000223_21.0327.C9.o3.np	Method	AAT/NAP
Start	3147	End	6643
GI	7340909	Score	125
Exons	3147..3167, 6396..6643		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42353	Seq. ID	OJ000223_21.0327.C9
Gene No.	88214	Strand	+
Start	3147	End	6643
Name	OJ000223_21.0327.C9.o4.np	Method	AAT/NAP
Start	6390	End	6643
GI	7340909	Score	123
Exons	6390..6643		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42353	Seq. ID	OJ000223_21.0327.C9
Gene No.	88215	Strand	-
Start	1	End	3520
Name	OJ000223_21.0327.C9.o1.np	Method	AAT/NAP
Start	1	End	3520
GI	4755191	Score	133
Exons	1..278, 3467..3520		
GI Descrip.	(AC007018) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	42353	Seq. ID	OJ000223_21.0327.C9
Gene No.	88215	Strand	-
Start	1	End	3520
Name	OJ000223_21.0327.C9.o1.gs	Method	GENSCAN
Start	481	End	3118
GI	none	Score	.83
Exons	481..492, 1855..1969, 2117..2195, 2896..3118		

Seq. No.	42353	Seq. ID	OJ000223_21.0327.C9
Gene No.	88215	Strand	-
Start	1	End	3520
Name	OJ000223_21.0327.C9.o2.np	Method	AAT/NAP
Start	825	End	3109
GI	5734757	Score	319
Exons	825..881, 1855..1969, 2117..2195, 2896..3109		
GI Descrip.	(AC007651) Unknown protein [Arabidopsis thaliana]		

Seq. No.	42353	Seq. ID	OJ000223_21.0327.C9
Gene No.	88216	Strand	-
Start	6204	End	6550
Name	OJ000223_21.0327.C9.o1.gp	Method	AAT/GAP
Start	6204	End	6550
GI	2280836	Score	623
Exons	6204..6550		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 2.0e-55 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	42354	Seq. ID	OJ000223_21.0327.C10
Gene No.	88217	Strand	+
Start	102	End	1052
Name	OJ000223_21.0327.C10.o1.gs	Method	GENSCAN
Start	102	End	1052
GI	none	Score	.65
Exons	102..231, 661..1052		

Seq. No.	42354	Seq. ID	OJ000223_21.0327.C10
Gene No.	88218	Strand	-
Start	1	End	2758
Name	OJ000223_21.0327.C10.o1.np	Method	AAT/NAP
Start	1	End	2758
GI	7340909	Score	119
Exons	1..176, 2697..2758		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42354	Seq. ID	OJ000223_21.0327.C10
Gene No.	88218	Strand	-
Start	1	End	2758
Name	OJ000223_21.0327.C10.o2.gs	Method	GENSCAN
Start	2296	End	2418
GI	none	Score	.91
Exons	2296..2418		

Seq. No.	42355	Seq. ID	OJ000223_21.0327.C11
Gene No.	88219	Strand	+
Start	1351	End	2335
Name	OJ000223_21.0327.C11.o1.gs	Method	GENSCAN
Start	1351	End	2306

GI	none	Score	.55
Exons	1351..1476, 2232..2306		
Seq. No.	42355	Seq. ID	OJ000223_21.0327.C11
Gene No.	88219	Strand	+
Start	1351	End	2335
Name	OJ000223_21.0327.C11.o1.tm	Method	TBLASTX:Maize
Start	1351	End	2335
GI	none	Score	181
Exons	1351..1479, 1351..1413, 2218..2304, 2231..2314, 2231..2335, 2232..2315		
Seq. No.	42356	Seq. ID	OJ000223_21.0327.C13
Gene No.	88220	Strand	-
Start	1157	End	2126
Name	OJ000223_21.0327.C13.o1.gs	Method	GENSCAN
Start	1157	End	2126
GI	none	Score	.93
Exons	1157..1400, 1502..1618, 2059..2126		
Seq. No.	42357	Seq. ID	OJ000223_21.0327.C14
Gene No.	88221	Strand	-
Start	1076	End	2331
Name	OJ000223_21.0327.C14.o2.gs	Method	GENSCAN
Start	1076	End	2331
GI	none	Score	.45
Exons	1076..1200, 1958..2218, 2224..2331		
Seq. No.	42358	Seq. ID	OJ000223_21.0327.C18
Gene No.	88222	Strand	+
Start	1121	End	2882
Name	OJ000223_21.0327.C18.o1.np	Method	AAT/NAP
Start	1121	End	2882
GI	7523517	Score	134
Exons	1121..1426, 1463..1506, 2827..2882		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	42358	Seq. ID	OJ000223_21.0327.C18
Gene No.	88223	Strand	-
Start	1	End	3184
Name	OJ000223_21.0327.C18.o2.np	Method	AAT/NAP
Start	1	End	3095
GI	6721512	Score	87
Exons	1..18, 1389..1549, 2982..3095		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	42358	Seq. ID	OJ000223_21.0327.C18
Gene No.	88223	Strand	-
Start	1	End	3184
Name	OJ000223_21.0327.C18.o2.gs	Method	GENSCAN
Start	2616	End	3184
GI	none	Score	.44
Exons	2616..2669, 3065..3184		
Seq. No.	42359	Seq. ID	OJ000223_21.0327.C19
Gene No.	88224	Strand	+
Start	440	End	4867

Name	OJ000223_21.0327.C19.o1.np	Method	AAT/NAP
Start	440	End	4867
GI	5902444	Score	970
Exons	440..483, 3058..4867		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42359	Seq. ID	OJ000223_21.0327.C19
Gene No.	88224	Strand	+
Start	440	End	4867
Name	OJ000223_21.0327.C19.o1.gs	Method	GENSCAN
Start	2459	End	3927
GI	none	Score	.86
Exons	2459..2519, 2870..3927		

Seq. No.	42359	Seq. ID	OJ000223_21.0327.C19
Gene No.	88224	Strand	+
Start	440	End	4867
Name	OJ000223_21.0327.C19.o2.tw	Method	TBLASTX:Wheat
Start	3268	End	3660
GI	none	Score	58
Exons	3268..3312, 3313..3426, 3324..3374, 3385..3660, 3432..3659		

Seq. No.	42359	Seq. ID	OJ000223_21.0327.C19
Gene No.	88224	Strand	+
Start	440	End	4867
Name	OJ000223_21.0327.C19.o1.tm	Method	TBLASTX:Maize
Start	3307	End	3546
GI	none	Score	191
Exons	3307..3546		

Seq. No.	42359	Seq. ID	OJ000223_21.0327.C19
Gene No.	88224	Strand	+
Start	440	End	4867
Name	OJ000223_21.0327.C19.o2.gs	Method	GENSCAN
Start	4059	End	4847
GI	none	Score	.76
Exons	4059..4847		

Seq. No.	42359	Seq. ID	OJ000223_21.0327.C19
Gene No.	88224	Strand	+
Start	440	End	4867
Name	OJ000223_21.0327.C19.o1.tw	Method	TBLASTX:Wheat
Start	4287	End	4742
GI	none	Score	127
Exons	4287..4469, 4506..4742, 4508..4624, 4512..4727, 4667..4732		

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021
Name	OJ000223_21.0327.C20.o1.np	Method	AAT/NAP
Start	1	End	2021
GI	5902445	Score	1929
Exons	1..1689, 1729..2021		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+

Start	1	End	2021
Name	OJ000223_21.0327.C20.o4.tw	Method	TBLASTX:Wheat
Start	1	End	151
GI	none	Score	241
Exons	1..150, 2..151, 41..127		

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021
Name	OJ000223_21.0327.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	283
GI	none	Score	383
Exons	1..282, 2..283		

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021
Name	OJ000223_21.0327.C20.o1.gs	Method	GENSCAN
Start	41	End	1939
GI	none	Score	.65
Exons	41..492, 534..1939		

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021
Name	OJ000223_21.0327.C20.o1.tw	Method	TBLASTX:Wheat
Start	152	End	570
GI	none	Score	296
Exons	152..427, 173..391, 426..569,	427..570	

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021
Name	OJ000223_21.0327.C20.o2.tm	Method	TBLASTX:Maize
Start	311	End	693
GI	none	Score	85
Exons	311..433, 338..430, 429..692,	430..693	

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021
Name	OJ000223_21.0327.C20.o1.ts	Method	TBLASTX:Soybean
Start	445	End	846
GI	none	Score	310
Exons	445..846, 447..605		

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021
Name	OJ000223_21.0327.C20.o2.tw	Method	TBLASTX:Wheat
Start	619	End	996
GI	none	Score	196
Exons	619..858, 851..973, 867..986,	868..996, 871..990	

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021

Name	OJ000223_21.0327.C20.o2.ts	Method	TBLASTX:Soybean
Start	1060	End	1443
GI	none	Score	77
Exons	1060..1185, 1195..1443, 1323..1415		

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021
Name	OJ000223_21.0327.C20.o3.tw	Method	TBLASTX:Wheat
Start	1063	End	1488
GI	none	Score	120
Exons	1063..1164, 1071..1172, 1192..1488, 1323..1430		

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021
Name	OJ000223_21.0327.C20.o3.tm	Method	TBLASTX:Maize
Start	1732	End	2013
GI	none	Score	214
Exons	1732..2013, 1932..2003		

Seq. No.	42360	Seq. ID	OJ000223_21.0327.C20
Gene No.	88225	Strand	+
Start	1	End	2021
Name	OJ000223_21.0327.C20.o5.tw	Method	TBLASTX:Wheat
Start	1735	End	2019
GI	none	Score	200
Exons	1735..2019		

Seq. No.	42361	Seq. ID	OJ000223_21.0327.C21
Gene No.	88226	Strand	+
Start	1	End	861
Name	OJ000223_21.0327.C21.o1.np	Method	AAT/NAP
Start	1	End	861
GI	7228457	Score	815
Exons	1..861		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42361	Seq. ID	OJ000223_21.0327.C21
Gene No.	88226	Strand	+
Start	1	End	861
Name	OJ000223_21.0327.C21.o1.gs	Method	GENSCAN
Start	58	End	612
GI	none	Score	.8
Exons	58..612		

Seq. No.	42361	Seq. ID	OJ000223_21.0327.C21
Gene No.	88227	Strand	+
Start	4938	End	7024
Name	OJ000223_21.0327.C21.o4.np	Method	AAT/NAP
Start	4938	End	7024
GI	7523517	Score	246
Exons	4938..5237, 5382..5438, 5707..5829, 6989..7024		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42361	Seq. ID	OJ000223_21.0327.C21
Gene No.	88228	Strand	-
Start	1477	End	8175
Name	OJ000223_21.0327.C21.o2.tw	Method	TBLASTX:Wheat
Start	1	End	222
GI	none	Score	212
Exons	1..222, 3..212		

Seq. No.	42361	Seq. ID	OJ000223_21.0327.C21
Gene No.	88228	Strand	-
Start	1477	End	8175
Name	OJ000223_21.0327.C21.o1.tw	Method	TBLASTX:Wheat
Start	256	End	852
GI	none	Score	339
Exons	256..696, 258..500, 721..852		

Seq. No.	42361	Seq. ID	OJ000223_21.0327.C21
Gene No.	88228	Strand	-
Start	1477	End	8175
Name	OJ000223_21.0327.C21.o2.gs	Method	GENSCAN
Start	1477	End	8175
GI	none	Score	.57
Exons	1477..1997, 2093..2238, 2361..2837, 2870..3118, 3189..3247, 3354..3497, 3565..3708, 3856..3928, 4041..4232, 4390..4540, 4906..5016, 5622..5875, 8051..8175		

Seq. No.	42361	Seq. ID	OJ000223_21.0327.C21
Gene No.	88228	Strand	-
Start	1477	End	8175
Name	OJ000223_21.0327.C21.o2.np	Method	AAT/NAP
Start	2360	End	3965
GI	6721561	Score	989
Exons	2360..3118, 3189..3247, 3318..3530, 3930..3965		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42361	Seq. ID	OJ000223_21.0327.C21
Gene No.	88228	Strand	-
Start	1477	End	8175
Name	OJ000223_21.0327.C21.o3.np	Method	AAT/NAP
Start	2952	End	4489
GI	6721558	Score	244
Exons	2952..3149, 3552..3689, 4390..4489		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42362	Seq. ID	OJ000223_21.0327.C22
Gene No.	88229	Strand	-
Start	2010	End	2393
Name	OJ000223_21.0327.C22.o1.gs	Method	GENSCAN
Start	2010	End	2393
GI	none	Score	.83
Exons	2010..2393		

Seq. No.	42362	Seq. ID	OJ000223_21.0327.C22
Gene No.	88229	Strand	-
Start	2010	End	2393
Name	OJ000223_21.0327.C22.o1.np	Method	AAT/NAP
Start	2013	End	2364
GI	6560751	Score	279
Exons	2013..2174, 2214..2364		
GI Descrip.	(AC010155) F3M18.8 [Arabidopsis thaliana]		

Seq. No.	42362	Seq. ID	OJ000223_21.0327.C22
Gene No.	88230	Strand	-
Start	3629	End	5786
Name	OJ000223_21.0327.C22.o1.ts	Method	TBLASTX:Soybean
Start	2001	End	2340
GI	none	Score	96
Exons	2001..2132, 2001..2132, 2023..2133, 2241..2312, 2257..2340		

Seq. No.	42362	Seq. ID	OJ000223_21.0327.C22
Gene No.	88230	Strand	-
Start	3629	End	5786
Name	OJ000223_21.0327.C22.o2.gs	Method	GENSCAN
Start	3629	End	5786
GI	none	Score	.68
Exons	3629..3909, 5568..5666, 5741..5786		

Seq. No.	42362	Seq. ID	OJ000223_21.0327.C22
Gene No.	88230	Strand	-
Start	3629	End	5786
Name	OJ000223_21.0327.C22.o1.tm	Method	TBLASTX:Maize
Start	4316	End	4840
GI	none	Score	61
Exons	4316..4411, 4328..4411, 4413..4517, 4436..4840, 4472..4516, 4514..4825		

Seq. No.	42363	Seq. ID	OJ000223_21.0327.C23
Gene No.	88231	Strand	+
Start	1320	End	2402
Name	OJ000223_21.0327.C23.o2.gs	Method	GENSCAN
Start	1320	End	2241
GI	none	Score	.52
Exons	1320..1424, 1877..1902, 2059..2241		

Seq. No.	42363	Seq. ID	OJ000223_21.0327.C23
Gene No.	88231	Strand	+
Start	1320	End	2402
Name	OJ000223_21.0327.C23.o1.np	Method	AAT/NAP
Start	1498	End	2402
GI	4063745	Score	69
Exons	1498..1568, 2056..2220, 2316..2402		
GI Descrip.	(AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42363	Seq. ID	OJ000223_21.0327.C23
Gene No.	88232	Strand	-
Start	933	End	1106
Name	OJ000223_21.0327.C23.o1.gs	Method	GENSCAN
Start	933	End	1106

GI	none	Score	.5
Exons	933..1106		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88233	Strand	+
Start	960	End	2784
Name	OJ000223_21.0327.C24.o1.gp	Method	AAT/GAP
Start	960	End	1634
GI	3763783	Score	563
Exons	960..1167, 1523..1634		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88233	Strand	+
Start	960	End	2784
Name	OJ000223_21.0327.C24.o1.gs	Method	GENSCAN
Start	1530	End	2784
GI	none	Score	.65
Exons	1530..1643, 1733..1957, 2701..2784		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88233	Strand	+
Start	960	End	2784
Name	OJ000223_21.0327.C24.o2.gp	Method	AAT/GAP
Start	2038	End	2602
GI	3763784	Score	945
Exons	2038..2602		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88234	Strand	+
Start	7147	End	14776
Name	OJ000223_21.0327.C24.o3.gs	Method	GENSCAN
Start	7147	End	12233
GI	none	Score	.66
Exons	7147..7308, 9329..9719, 11791..12233		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88234	Strand	+
Start	7147	End	14776
Name	OJ000223_21.0327.C24.o1.np	Method	AAT/NAP
Start	11530	End	14776
GI	1362047	Score	335
Exons	11530..11684, 12628..13064, 13164..13260, 14746..14776		
GI Descrip.	cysteine proteinase (EC 3.4.22.-) precursor - soybean gi|479060|emb|CAA83673| (Z32795) cysteine proteinase [Glycine max] gi|1096153|prf||2111244A Cys protease [Glycine max]		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88234	Strand	+
Start	7147	End	14776
Name	OJ000223_21.0327.C24.o4.gs	Method	GENSCAN
Start	12542	End	13291
GI	none	Score	.95
Exons	12542..12739, 12766..12868, 12889..13064, 13124..13291		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88235	Strand	-
Start	3722	End	4951

Name	OJ000223_21.0327.C24.o2.gs	Method	GENSCAN
Start	3722	End	4951
GI	none	Score	.81
Exons	3722..4243, 4322..4951		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88236	Strand	-
Start	13447	End	13797
Name	OJ000223_21.0327.C24.o2.tm	Method	TBLASTX:Maize
Start	1	End	1801
GI	none	Score	84
Exons	1..63, 2..58, 285..353, 287..361, 287..355, 972..1169, 973..1158, 974..1168, 1521..1544, 1545..1655, 1775..1801		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88236	Strand	-
Start	13447	End	13797
Name	OJ000223_21.0327.C24.o1.tw	Method	TBLASTX:Wheat
Start	4326	End	4609
GI	none	Score	93
Exons	4326..4397, 4327..4398, 4328..4396, 4463..4504, 4470..4505, 4511..4567, 4512..4565, 4514..4609		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88236	Strand	-
Start	13447	End	13797
Name	OJ000223_21.0327.C24.o1.ts	Method	TBLASTX:Soybean
Start	12614	End	13256
GI	none	Score	123
Exons	12614..12763, 12644..12769, 12775..12816, 12884..12988, 12897..13022, 13020..13061, 13191..13256		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88236	Strand	-
Start	13447	End	13797
Name	OJ000223_21.0327.C24.o1.tm	Method	TBLASTX:Maize
Start	12623	End	13250
GI	none	Score	124
Exons	12623..12763, 12644..12769, 12681..12770, 12774..12800, 12884..12988, 12897..13022, 13029..13061, 13034..13060, 13185..13250		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88236	Strand	-
Start	13447	End	13797
Name	OJ000223_21.0327.C24.o1.tc	Method	TBLASTX:Cress
Start	12635	End	13253
GI	none	Score	97
Exons	12635..12763, 12884..12988, 12897..13022, 13020..13061, 13173..13253		

Seq. No.	42364	Seq. ID	OJ000223_21.0327.C24
Gene No.	88236	Strand	-
Start	13447	End	13797
Name	OJ000223_21.0327.C24.o5.gs	Method	GENSCAN
Start	13447	End	13797
GI	none	Score	.42

Exons	13447..13500, 13763..13797		
Seq. No.	42365	Seq. ID	OJ000223_20.0328.C2
Gene No.	88237	Strand	+
Start	380	End	723
Name	OJ000223_20.0328.C2.o1.gs	Method	GENSCAN
Start	380	End	723
GI	none	Score	.93
Exons	380..431, 545..723		
Seq. No.	42366	Seq. ID	OJ000223_20.0328.C4
Gene No.	88238	Strand	+
Start	259	End	6799
Name	OJ000223_20.0328.C4.o1.gs	Method	GENSCAN
Start	259	End	6799
GI	none	Score	.64
Exons	259..343, 453..574, 791..825, 1097..1183, 2034..2107, 2401..3821, 4546..4979, 5013..5104, 6589..6686, 6691..6799		
Seq. No.	42366	Seq. ID	OJ000223_20.0328.C4
Gene No.	88238	Strand	+
Start	259	End	6799
Name	OJ000223_20.0328.C4.o1.np	Method	AAT/NAP
Start	286	End	1708
GI	5042463	Score	106
Exons	286..305, 1513..1708		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	42366	Seq. ID	OJ000223_20.0328.C4
Gene No.	88238	Strand	+
Start	259	End	6799
Name	OJ000223_20.0328.C4.o2.np	Method	AAT/NAP
Start	2009	End	3389
GI	6742729	Score	947
Exons	2009..3389		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	42366	Seq. ID	OJ000223_20.0328.C4
Gene No.	88238	Strand	+
Start	259	End	6799
Name	OJ000223_20.0328.C4.o1.tm	Method	TBLASTX:Maize
Start	2533	End	2913
GI	none	Score	48
Exons	2533..2586, 2599..2913, 2703..2894		
Seq. No.	42366	Seq. ID	OJ000223_20.0328.C4
Gene No.	88238	Strand	+
Start	259	End	6799
Name	OJ000223_20.0328.C4.o1.tw	Method	TBLASTX:Wheat
Start	2557	End	3807
GI	none	Score	487
Exons	2557..3117, 2604..2951, 2997..3089, 3097..3279, 3138..3275, 3283..3444, 3303..3443, 3309..3458, 3454..3510, 3460..3510, 3511..3564, 3516..3548, 3582..3674, 3583..3687, 3688..3807		
Seq. No.	42366	Seq. ID	OJ000223_20.0328.C4
Gene No.	88238	Strand	+

Start	259	End	6799
Name	OJ000223_20.0328.C4.o1.tc	Method	TBLASTX:Cress
Start	2848	End	3270
GI	none	Score	211
Exons	2848..3117, 2997..3080, 3097..3270, 3138..3266		

Seq. No.	42366	Seq. ID	OJ000223_20.0328.C4
Gene No.	88238	Strand	+
Start	259	End	6799
Name	OJ000223_20.0328.C4.o3.np	Method	AAT/NAP
Start	3286	End	5854
GI	4586022	Score	139
Exons	3286..3723, 5814..5854		
GI Descrip.	(AC007170) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	42366	Seq. ID	OJ000223_20.0328.C4
Gene No.	88238	Strand	+
Start	259	End	6799
Name	OJ000223_20.0328.C4.o1.ts	Method	TBLASTX:Soybean
Start	3496	End	3744
GI	none	Score	216
Exons	3496..3744, 3501..3677		

Seq. No.	42367	Seq. ID	OJ000223_20.0328.C5
Gene No.	88239	Strand	+
Start	80	End	2942
Name	OJ000223_20.0328.C5.o1.gs	Method	GENSCAN
Start	80	End	2942
GI	none	Score	.9
Exons	80..484, 774..905, 1083..1244, 1358..1926, 2004..2174, 2255..2537, 2907..2942		

Seq. No.	42367	Seq. ID	OJ000223_20.0328.C5
Gene No.	88240	Strand	-
Start	3611	End	11136
Name	OJ000223_20.0328.C5.o1.np	Method	AAT/NAP
Start	3356	End	5335
GI	7523502	Score	183
Exons	3356..3446, 4795..4930, 5242..5335		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42367	Seq. ID	OJ000223_20.0328.C5
Gene No.	88240	Strand	-
Start	3611	End	11136
Name	OJ000223_20.0328.C5.o2.gs	Method	GENSCAN
Start	3611	End	10989
GI	none	Score	.61
Exons	3611..3706, 4731..4973, 5242..5447, 8427..8586, 8989..9041, 9129..9164, 9211..9319, 9368..9482, 10925..10989		

Seq. No.	42367	Seq. ID	OJ000223_20.0328.C5
Gene No.	88240	Strand	-
Start	3611	End	11136
Name	OJ000223_20.0328.C5.o2.np	Method	AAT/NAP
Start	7676	End	11136
GI	6721512	Score	144
Exons	7676..7703, 9094..9164, 9207..9339, 9367..9482, 11102..11136		

GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	42368	Seq. ID	OJ000223_20.0328.C6
Gene No.	88241	Strand	+
Start	2026	End	2396
Name	OJ000223_20.0328.C6.o1.gp	Method	AAT/GAP
Start	2026	End	2396
GI	4879016	Score	642
Exons	2026..2396		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	42369	Seq. ID	OJ000223_20.0328.C7
Gene No.	88242	Strand	+
Start	1	End	5184
Name	OJ000223_20.0328.C7.o1.np	Method	AAT/NAP
Start	1	End	5184
GI	6691191	Score	509
Exons	1..28, 1975..2591, 2839..2995, 5110..5184		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		
Seq. No.	42369	Seq. ID	OJ000223_20.0328.C7
Gene No.	88242	Strand	+
Start	1	End	5184
Name	OJ000223_20.0328.C7.o1.gs	Method	GENSCAN
Start	144	End	3584
GI	none	Score	.44
Exons	144..247, 2314..2449, 3468..3584		
Seq. No.	42369	Seq. ID	OJ000223_20.0328.C7
Gene No.	88243	Strand	-
Start	4298	End	4653
Name	OJ000223_20.0328.C7.o1.tw	Method	TBLASTX:Wheat
Start	1972	End	2172
GI	none	Score	204
Exons	1972..2172, 1975..2139, 1980..2141		
Seq. No.	42369	Seq. ID	OJ000223_20.0328.C7
Gene No.	88243	Strand	-
Start	4298	End	4653
Name	OJ000223_20.0328.C7.o1.ts	Method	TBLASTX:Soybean
Start	1978	End	2193
GI	none	Score	189
Exons	1978..2193		
Seq. No.	42369	Seq. ID	OJ000223_20.0328.C7
Gene No.	88243	Strand	-
Start	4298	End	4653
Name	OJ000223_20.0328.C7.o2.tw	Method	TBLASTX:Wheat
Start	2272	End	2554
GI	none	Score	197
Exons	2272..2439, 2282..2446, 2288..2446, 2289..2447, 2450..2554		
Seq. No.	42369	Seq. ID	OJ000223_20.0328.C7
Gene No.	88243	Strand	-
Start	4298	End	4653

Name	OJ000223_20.0328.C7.o2.gs	Method	GENSCAN
Start	4298	End	4653
GI	none	Score	.85
Exons	4298..4422, 4593..4653		

Seq. No.	42370	Seq. ID	OJ000223_20.0328.C13
Gene No.	88244	Strand	+
Start	473	End	650
Name	OJ000223_20.0328.C13.o1.gs	Method	GENSCAN
Start	473	End	650
GI	none	Score	.63
Exons	473..650		

Seq. No.	42371	Seq. ID	OJ000223_20.0328.C17
Gene No.	88245	Strand	+
Start	313	End	395
Name	OJ000223_20.0328.C17.o1.gs	Method	GENSCAN
Start	313	End	395
GI	none	Score	.9
Exons	313..395		

Seq. No.	42372	Seq. ID	OJ000223_20.0328.C18
Gene No.	88246	Strand	+
Start	203	End	4415
Name	OJ000223_20.0328.C18.o1.gs	Method	GENSCAN
Start	203	End	4415
GI	none	Score	.51
Exons	203..335, 3963..4097, 4102..4415		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88247	Strand	+
Start	930	End	1592
Name	OJ000223_20.0328.C19.o1.gs	Method	GENSCAN
Start	930	End	1592
GI	none	Score	.7
Exons	930..1033, 1568..1592		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88248	Strand	-
Start	3268	End	4047
Name	OJ000223_20.0328.C19.o2.gs	Method	GENSCAN
Start	3268	End	4047
GI	none	Score	.63
Exons	3268..3343, 3818..4047		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88249	Strand	-
Start	6150	End	7842
Name	OJ000223_20.0328.C19.o3.gs	Method	GENSCAN
Start	6150	End	7842
GI	none	Score	.74
Exons	6150..7303, 7545..7842		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o2.tm	Method	TBLASTX:Maize

Start	6237	End	6942
GI	none	Score	175
Exons	6237..6380, 6466..6942, 6468..6941		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o3.ts	Method	TBLASTX:Soybean
Start	6288	End	6755
GI	none	Score	50
Exons	6288..6383, 6289..6384, 6465..6755, 6481..6750		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o1.tc	Method	TBLASTX:Cress
Start	6465	End	6926
GI	none	Score	293
Exons	6465..6926		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o5.ts	Method	TBLASTX:Soybean
Start	6825	End	7308
GI	none	Score	92
Exons	6825..6935, 7008..7307, 7024..7308		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o4.gs	Method	GENSCAN
Start	8914	End	14985
GI	none	Score	.53
Exons	8914..9121, 10253..11451, 11684..11913, 12303..13191, 13426..14167, 14345..14622, 14926..14985		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o1.np	Method	AAT/NAP
Start	10252	End	14151
GI	6539553	Score	6453
Exons	10252..14151		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o2.tw	Method	TBLASTX:Wheat
Start	10388	End	10864
GI	none	Score	272
Exons	10388..10543, 10423..10773, 10462..10773, 10472..10774, 10583..10774, 10789..10863, 10791..10862, 10793..10864		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o6.ts	Method	TBLASTX:Soybean
Start	10516	End	10857
GI	none	Score	94
Exons	10516..10731, 10589..10732, 10744..10857, 10751..10831		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o4.tm	Method	TBLASTX:Maize
Start	10721	End	11052
GI	none	Score	181
Exons	10721..10948, 10732..11052, 10753..11052		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o2.ts	Method	TBLASTX:Soybean
Start	10870	End	11215
GI	none	Score	118
Exons	10870..11214, 11015..11215		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o3.tw	Method	TBLASTX:Wheat
Start	11068	End	11611
GI	none	Score	163
Exons	11068..11274, 11269..11424, 11405..11611		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o5.tm	Method	TBLASTX:Maize
Start	11149	End	11612
GI	none	Score	50
Exons	11149..11424, 11252..11359, 11406..11612, 11426..11611		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o1.ts	Method	TBLASTX:Soybean
Start	11284	End	11746
GI	5509260	Score	57
Exons	11284..11424, 11303..11356, 11406..11528, 11426..11746		
GI Descrip.	-		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o2.tc	Method	TBLASTX:Cress
Start	11426	End	11653
GI	none	Score	62
Exons	11426..11653, 11574..11651		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o1.tw	Method	TBLASTX:Wheat
Start	11666	End	12420
GI	none	Score	192
Exons	11666..11875, 11667..11825, 11683..11913, 11686..11880, 11941..12315, 11945..12310, 11967..12320, 11972..12319, 12319..12420, 12323..12412		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o4.ts	Method	TBLASTX:Soybean
Start	12071	End	12468
GI	none	Score	49
Exons	12071..12244, 12096..12155, 12198..12236, 12245..12322, 12260..12319, 12328..12468, 12347..12460		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o6.tm	Method	TBLASTX:Maize
Start	12071	End	12564
GI	none	Score	84
Exons	12071..12238, 12257..12313, 12325..12564, 12326..12481		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o5.tw	Method	TBLASTX:Wheat
Start	12421	End	12615
GI	none	Score	183
Exons	12421..12615, 12421..12612		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o7.ts	Method	TBLASTX:Soybean
Start	12478	End	12864
GI	none	Score	78
Exons	12478..12726, 12709..12864		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o1.tm	Method	TBLASTX:Maize
Start	12891	End	13213
GI	none	Score	375
Exons	12891..13193, 12892..13206, 12893..13186, 12959..13213		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o3.tm	Method	TBLASTX:Maize
Start	13709	End	14022

GI	none	Score	265
Exons	13709..13999, 13711..14022, 13714..14004		

Seq. No.	42373	Seq. ID	OJ000223_20.0328.C19
Gene No.	88250	Strand	-
Start	8914	End	14985
Name	OJ000223_20.0328.C19.o4.tw	Method	TBLASTX:Wheat
Start	13771	End	14157
GI	none	Score	206
Exons	13771..14157, 13772..14146		

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88251	Strand	+
Start	2746	End	5821
Name	OJ000223_20.0328.C22.o1.gs	Method	GENSCAN
Start	2746	End	5200
GI	none	Score	.52
Exons	2746..2880, 3468..3625, 4578..4644, 5093..5200		

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88251	Strand	+
Start	2746	End	5821
Name	OJ000223_20.0328.C22.o1.np	Method	AAT/NAP
Start	2749	End	5767
GI	7020666	Score	382
Exons	2749..2880, 3468..3625, 4578..4644, 5672..5767		
GI Descrip.	(AK000518) unnamed protein product [Homo sapiens]		

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88251	Strand	+
Start	2746	End	5821
Name	OJ000223_20.0328.C22.o1.gp	Method	AAT/GAP
Start	2827	End	5821
GI	uC-osflcyp085h03b1	Score	810
Exons	2827..2880, 3468..3625, 4578..4644, 5672..5821		
GI Descrip.	'2132267/pir||S69068 2.0e-13 hypothetical protein YPR082c - yeast (Saccharomyces cerevisiae) >gi_1230688 (U51033) Weak similarity to hypothetical E. coli protein (PIR accession number S47687) [Saccharomyces cerevisiae]'		

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88252	Strand	-
Start	6483	End	8251
Name	OJ000223_20.0328.C22.o2.tc	Method	TBLASTX:Cress
Start	2752	End	5788
GI	none	Score	136
Exons	2752..2889, 3468..3626, 3470..3646, 4578..4649, 4579..4644, 5669..5788, 5669..5773, 5671..5784		

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88252	Strand	-
Start	6483	End	8251
Name	OJ000223_20.0328.C22.o2.tm	Method	TBLASTX:Maize
Start	2770	End	5775
GI	none	Score	164
Exons	2770..2889, 2772..2840, 3468..3626, 3470..3625, 3472..3627, 4576..4644, 4578..4649, 4579..4644, 5669..5770, 5669..5770,		

5671..5775, 5671..5772

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88252	Strand	-
Start	6483	End	8251
Name	OJ000223_20.0328.C22.o2.gs	Method	GENSCAN
Start	6483	End	7835
GI	none	Score	.94
Exons	6483..7835		

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88252	Strand	-
Start	6483	End	8251
Name	OJ000223_20.0328.C22.o1.tm	Method	TBLASTX:Maize
Start	6484	End	7835
GI	none	Score	70
Exons	6484..6678, 6489..6794, 6882..7313, 6882..7331, 6907..7332, 7411..7701, 7413..7700, 7707..7835		

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88252	Strand	-
Start	6483	End	8251
Name	OJ000223_20.0328.C22.o2.np	Method	AAT/NAP
Start	6486	End	8251
GI	6573772	Score	1148
Exons	6486..8251		
GI Descrip.	(AC009243) F28K19.27 [Arabidopsis thaliana]		

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88252	Strand	-
Start	6483	End	8251
Name	OJ000223_20.0328.C22.o3.tc	Method	TBLASTX:Cress
Start	6507	End	6845
GI	none	Score	95
Exons	6507..6680, 6538..6681, 6696..6845, 6706..6801		

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88252	Strand	-
Start	6483	End	8251
Name	OJ000223_20.0328.C22.o1.ts	Method	TBLASTX:Soybean
Start	6519	End	7835
GI	none	Score	88
Exons	6519..6662, 6828..7034, 6913..7035, 6960..7043, 7038..7340, 7043..7168, 7048..7341, 7437..7694, 7444..7683, 7698..7835		

Seq. No.	42374	Seq. ID	OJ000223_20.0328.C22
Gene No.	88252	Strand	-
Start	6483	End	8251
Name	OJ000223_20.0328.C22.o1.tc	Method	TBLASTX:Cress
Start	6933	End	7835
GI	none	Score	35
Exons	6933..6986, 7019..7036, 7037..7153, 7038..7271, 7038..7340, 7048..7341, 7431..7682, 7438..7683, 7701..7835		

Seq. No.	42375	Seq. ID	OJ000223_20.0328.C23
Gene No.	88253	Strand	-
Start	622	End	1846

Name	OJ000223_20.0328.C23.o1.gs	Method	GENSCAN
Start	622	End	1846
GI	none	Score	.68
Exons	622..729, 868..953, 1758..1846		

Seq. No.	42376	Seq. ID	OJ000223_20.0328.C24
Gene No.	88254	Strand	+
Start	176	End	289
Name	OJ000223_20.0328.C24.o1.gs	Method	GENSCAN
Start	176	End	289
GI	none	Score	.87
Exons	176..289		

Seq. No.	42376	Seq. ID	OJ000223_20.0328.C24
Gene No.	88255	Strand	-
Start	951	End	1230
Name	OJ000223_20.0328.C24.o2.gs	Method	GENSCAN
Start	951	End	1230
GI	none	Score	.53
Exons	951..1230		

Seq. No.	42377	Seq. ID	OJ000223_20.0328.C25
Gene No.	88256	Strand	-
Start	3926	End	5287
Name	OJ000223_20.0328.C25.o2.gs	Method	GENSCAN
Start	3926	End	5287
GI	none	Score	.72
Exons	3926..3948, 4907..5042, 5200..5287		

Seq. No.	42378	Seq. ID	OJ000223_20.0328.C26
Gene No.	88257	Strand	+
Start	1	End	2394
Name	OJ000223_20.0328.C26.o1.np	Method	AAT/NAP
Start	1	End	2394
GI	7340868	Score	175
Exons	1..21, 1356..1560, 2344..2394		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42378	Seq. ID	OJ000223_20.0328.C26
Gene No.	88257	Strand	+
Start	1	End	2394
Name	OJ000223_20.0328.C26.o1.gs	Method	GENSCAN
Start	158	End	1542
GI	none	Score	.58
Exons	158..179, 592..664, 1450..1542		

Seq. No.	42379	Seq. ID	OJ000223_20.0328.C27
Gene No.	88258	Strand	-
Start	3041	End	3860
Name	OJ000223_20.0328.C27.o2.gs	Method	GENSCAN
Start	3041	End	3860
GI	none	Score	.66
Exons	3041..3415, 3479..3554, 3706..3860		

Seq. No.	42380	Seq. ID	OJ000223_20.0328.C28
Gene No.	88259	Strand	-
Start	5	End	1833

Name	OJ000223_20.0328.C28.o1.gp	Method	AAT/GAP
Start	5	End	1495
GI	uC-osf1M202043b01b1	Score	893
Exons	5..269, 344..407, 479..557, 1410..1495		
GI Descrip.	'1055162/gb|AAA81131.1| 1.0e-27 (U40029) No definition line found [Caenorhabditis elegans]'		

Seq. No.	42380	Seq. ID	OJ000223_20.0328.C28
Gene No.	88259	Strand	-
Start	5	End	1833
Name	OJ000223_20.0328.C28.o1.tm	Method	TBLASTX:Maize
Start	136	End	1463
GI	none	Score	108
Exons	136..270, 159..269, 161..271, 162..293, 342..410, 343..408, 455..556, 480..545, 1398..1460, 1407..1463, 1409..1462		

Seq. No.	42380	Seq. ID	OJ000223_20.0328.C28
Gene No.	88259	Strand	-
Start	5	End	1833
Name	OJ000223_20.0328.C28.o1.np	Method	AAT/NAP
Start	158	End	1833
GI	6691183	Score	633
Exons	158..269, 344..557, 1410..1683, 1733..1833		
GI Descrip.	(AC007534) F7F22.4 [Arabidopsis thaliana]		

Seq. No.	42380	Seq. ID	OJ000223_20.0328.C28
Gene No.	88259	Strand	-
Start	5	End	1833
Name	OJ000223_20.0328.C28.o1.gs	Method	GENSCAN
Start	160	End	1594
GI	none	Score	.72
Exons	160..269, 344..400, 475..557, 1410..1594		

Seq. No.	42380	Seq. ID	OJ000223_20.0328.C28
Gene No.	88259	Strand	-
Start	5	End	1833
Name	OJ000223_20.0328.C28.o2.tm	Method	TBLASTX:Maize
Start	1494	End	1831
GI	none	Score	154
Exons	1494..1640, 1495..1638, 1496..1663, 1680..1823, 1735..1827, 1741..1827, 1766..1831		

Seq. No.	42381	Seq. ID	OJ000223_20.0328.C33
Gene No.	88260	Strand	+
Start	480	End	1770
Name	OJ000223_20.0328.C33.o1.np	Method	AAT/NAP
Start	480	End	1770
GI	6907093	Score	88
Exons	480..540, 1669..1770		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42381	Seq. ID	OJ000223_20.0328.C33
Gene No.	88261	Strand	+
Start	3679	End	10573
Name	OJ000223_20.0328.C33.o2.gs	Method	GENSCAN
Start	3679	End	10573
GI	none	Score	.46

Exons	3679..3705, 3817..3947, 5699..5832, 7493..7593, 7735..8769, 8798..9125, 9870..9911, 10443..10573		
Seq. No.	42381	Seq. ID	OJ000223_20.0328.C33
Gene No.	88262	Strand	-
Start	1810	End	2232
Name	OJ000223_20.0328.C33.o1.gs	Method	GENSCAN
Start	1810	End	2232
GI	none	Score	.85
Exons	1810..1930, 2072..2232		
Seq. No.	42381	Seq. ID	OJ000223_20.0328.C33
Gene No.	88263	Strand	-
Start	6992	End	9096
Name	OJ000223_20.0328.C33.o2.np	Method	AAT/NAP
Start	6992	End	9096
GI	4582461	Score	959
Exons	6992..7132, 7789..9096		
GI Descrip.	(AC007071) putative triacylglycerol lipase [Arabidopsis thaliana]		
Seq. No.	42381	Seq. ID	OJ000223_20.0328.C33
Gene No.	88264	Strand	-
Start	15166	End	16082
Name	OJ000223_20.0328.C33.o1.ts	Method	TBLASTX:Soybean
Start	7831	End	8808
GI	none	Score	81
Exons	7831..7872, 7879..7938, 7972..8049, 8050..8112, 8149..8355, 8186..8281, 8321..8461, 8404..8535, 8572..8808		
Seq. No.	42381	Seq. ID	OJ000223_20.0328.C33
Gene No.	88264	Strand	-
Start	15166	End	16082
Name	OJ000223_20.0328.C33.o2.tm	Method	TBLASTX:Maize
Start	7966	End	8808
GI	none	Score	65
Exons	7966..8049, 7972..8049, 8056..8115, 8473..8529, 8593..8808		
Seq. No.	42381	Seq. ID	OJ000223_20.0328.C33
Gene No.	88264	Strand	-
Start	15166	End	16082
Name	OJ000223_20.0328.C33.o1.tm	Method	TBLASTX:Maize
Start	8170	End	8472
GI	none	Score	243
Exons	8170..8355, 8189..8464, 8404..8472		
Seq. No.	42381	Seq. ID	OJ000223_20.0328.C33
Gene No.	88264	Strand	-
Start	15166	End	16082
Name	OJ000223_20.0328.C33.o3.gs	Method	GENSCAN
Start	15166	End	16082
GI	none	Score	.93
Exons	15166..15737, 15992..16082		
Seq. No.	42382	Seq. ID	OJ000223_23.0323.C1
Gene No.	88265	Strand	-
Start	1	End	1255

Name	OJ000223_23.0323.C1.o1.np	Method	AAT/NAP
Start	1	End	1255
GI	6705984	Score	370
Exons	1..45, 852..1255		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	42382	Seq. ID	OJ000223_23.0323.C1
Gene No.	88265	Strand	-
Start	1	End	1255
Name	OJ000223_23.0323.C1.o1.gs	Method	GENSCAN
Start	595	End	1188
GI	none	Score	.62
Exons	595..1188		

Seq. No.	42382	Seq. ID	OJ000223_23.0323.C1
Gene No.	88265	Strand	-
Start	1	End	1255
Name	OJ000223_23.0323.C1.o1.tm	Method	TBLASTX:Maize
Start	841	End	1093
GI	none	Score	93
Exons	841..1065, 859..1092, 959..1093		

Seq. No.	42382	Seq. ID	OJ000223_23.0323.C1
Gene No.	88265	Strand	-
Start	1	End	1255
Name	OJ000223_23.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	862	End	1246
GI	none	Score	49
Exons	862..1020, 899..1003, 1012..1224, 1012..1242, 1016..1246		

Seq. No.	42382	Seq. ID	OJ000223_23.0323.C1
Gene No.	88265	Strand	-
Start	1	End	1255
Name	OJ000223_23.0323.C1.o1.tw	Method	TBLASTX:Wheat
Start	892	End	1252
GI	none	Score	94
Exons	892..1044, 896..1033, 972..1058, 1057..1251, 1058..1252		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88266	Strand	+
Start	1	End	4139
Name	OJ000223_23.0323.C2.o1.np	Method	AAT/NAP
Start	1	End	4136
GI	4680179	Score	4076
Exons	1..76, 1211..4136		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88266	Strand	+
Start	1	End	4139
Name	OJ000223_23.0323.C2.o1.gs	Method	GENSCAN
Start	84	End	2609
GI	none	Score	.76
Exons	84..214, 616..703, 1171..1879, 1909..2108, 2124..2609		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88266	Strand	+

Start	1	End	4139
Name	OJ000223_23.0323.C2.o2.gs	Method	GENSCAN
Start	3303	End	4139
GI	none	Score	.59
Exons	3303..4139		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88267	Strand	-
Start	4753	End	5811
Name	OJ000223_23.0323.C2.o3.gs	Method	GENSCAN
Start	4753	End	5811
GI	none	Score	.87
Exons	4753..4839, 4948..5044, 5484..5604, 5736..5811		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88268	Strand	-
Start	7256	End	9551
Name	OJ000223_23.0323.C2.o2.np	Method	AAT/NAP
Start	7154	End	9551
GI	4567295	Score	183
Exons	7154..7546, 8539..8610, 9527..9551		
GI Descrip.	(AC006918) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88268	Strand	-
Start	7256	End	9551
Name	OJ000223_23.0323.C2.o4.gs	Method	GENSCAN
Start	7256	End	7528
GI	none	Score	.44
Exons	7256..7528		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o4.tw	Method	TBLASTX:Wheat
Start	1296	End	1782
GI	none	Score	455
Exons	1296..1739, 1405..1782		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o4.tm	Method	TBLASTX:Maize
Start	1365	End	1836
GI	none	Score	371
Exons	1365..1802, 1405..1836		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	1723	End	2117
GI	none	Score	57
Exons	1723..1755, 1759..1923, 1766..1876, 1869..2117, 1877..2116		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2

Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o6.tw	Method	TBLASTX:Wheat
Start	1831	End	2125
GI	none	Score	67
Exons	1831..1923, 1869..2117, 1877..2125, 1979..2125		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o5.tm	Method	TBLASTX:Maize
Start	1884	End	2192
GI	none	Score	288
Exons	1884..2192, 1943..2185		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o2.tw	Method	TBLASTX:Wheat
Start	2133	End	2636
GI	none	Score	604
Exons	2133..2636, 2150..2554		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o3.ts	Method	TBLASTX:Soybean
Start	2139	End	2384
GI	none	Score	209
Exons	2139..2384, 2156..2269		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	2204	End	2567
GI	none	Score	459
Exons	2204..2458, 2205..2558, 2259..2567		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o3.tw	Method	TBLASTX:Wheat
Start	2637	End	3125
GI	none	Score	590
Exons	2637..3125, 2690..3124		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	2832	End	3149
GI	none	Score	81
Exons	2832..3005, 3006..3149, 3008..3148		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-

Start	9554	End	9706
Name	OJ000223_23.0323.C2.o2.ts	Method	TBLASTX:Soybean
Start	2937	End	3173
GI	none	Score	277
Exons	2937..3173, 2945..3172		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o3.tm	Method	TBLASTX:Maize
Start	2971	End	3263
GI	none	Score	403
Exons	2971..3255, 2972..3259, 2973..3263		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	3132	End	3758
GI	none	Score	732
Exons	3132..3758, 3188..3757		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	3312	End	3896
GI	none	Score	233
Exons	3312..3473, 3320..3466, 3328..3468, 3471..3896, 3473..3886		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o4.ts	Method	TBLASTX:Soybean
Start	3417	End	7546
GI	none	Score	74
Exons	3417..3533, 7210..7245, 7265..7330, 7340..7546		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o5.tw	Method	TBLASTX:Wheat
Start	3758	End	4091
GI	none	Score	348
Exons	3758..4027, 3759..4091		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706
Name	OJ000223_23.0323.C2.o6.tm	Method	TBLASTX:Maize
Start	3900	End	4097
GI	none	Score	182
Exons	3900..4097		

Seq. No.	42383	Seq. ID	OJ000223_23.0323.C2
Gene No.	88269	Strand	-
Start	9554	End	9706

Name	OJ000223_23.0323.C2.o5.gs	Method	GENSCAN
Start	9554	End	9706
GI	none	Score	.66
Exons	9554..9706		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88270	Strand	+
Start	2102	End	2906
Name	OJ000223_23.0323.C3.o1.gs	Method	GENSCAN
Start	2102	End	2906
GI	none	Score	.71
Exons	2102..2205, 2267..2306, 2409..2906		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88271	Strand	-
Start	2083	End	8645
Name	OJ000223_23.0323.C3.o1.np	Method	AAT/NAP
Start	2083	End	8645
GI	6691191	Score	913
Exons	2083..2140, 3869..5164, 6631..6719, 8615..8645		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88271	Strand	-
Start	2083	End	8645
Name	OJ000223_23.0323.C3.o3.ts	Method	TBLASTX:Soybean
Start	3890	End	4077
GI	none	Score	93
Exons	3890..4066, 3892..4077, 3895..4077		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88271	Strand	-
Start	2083	End	8645
Name	OJ000223_23.0323.C3.o2.tw	Method	TBLASTX:Wheat
Start	3904	End	4361
GI	none	Score	46
Exons	3904..4077, 3905..3976, 4079..4288, 4079..4360, 4140..4361		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88271	Strand	-
Start	2083	End	8645
Name	OJ000223_23.0323.C3.o2.ts	Method	TBLASTX:Soybean
Start	4079	End	4387
GI	none	Score	125
Exons	4079..4387, 4131..4361		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88271	Strand	-
Start	2083	End	8645
Name	OJ000223_23.0323.C3.o2.gs	Method	GENSCAN
Start	4124	End	4759
GI	none	Score	.86
Exons	4124..4759		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88271	Strand	-
Start	2083	End	8645

Name	OJ000223_23.0323.C3.o1.tc	Method	TBLASTX:Cress
Start	4382	End	4756
GI	none	Score	81
Exons	4382..4456, 4457..4681, 4460..4636, 4703..4756		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88271	Strand	-
Start	2083	End	8645
Name	OJ000223_23.0323.C3.o1.tw	Method	TBLASTX:Wheat
Start	4854	End	6717
GI	none	Score	237
Exons	4854..5165, 4854..5156, 4865..5164, 4891..5181, 6637..6717		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88271	Strand	-
Start	2083	End	8645
Name	OJ000223_23.0323.C3.o1.ts	Method	TBLASTX:Soybean
Start	4934	End	5174
GI	none	Score	100
Exons	4934..5170, 4935..5174		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88271	Strand	-
Start	2083	End	8645
Name	OJ000223_23.0323.C3.o2.np	Method	AAT/NAP
Start	5488	End	8645
GI	5852181	Score	101
Exons	5488..5617, 6114..6235, 6709..6859, 8576..8645		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	42384	Seq. ID	OJ000223_23.0323.C3
Gene No.	88271	Strand	-
Start	2083	End	8645
Name	OJ000223_23.0323.C3.o3.gs	Method	GENSCAN
Start	6684	End	8207
GI	none	Score	.57
Exons	6684..6866, 7587..7768, 7906..8020, 8136..8207		

Seq. No.	42385	Seq. ID	OJ000223_23.0323.C4
Gene No.	88272	Strand	+
Start	1275	End	1716
Name	OJ000223_23.0323.C4.o1.gs	Method	GENSCAN
Start	1275	End	1716
GI	none	Score	.61
Exons	1275..1337, 1585..1716		

Seq. No.	42385	Seq. ID	OJ000223_23.0323.C4
Gene No.	88273	Strand	+
Start	3288	End	5778
Name	OJ000223_23.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	3267	End	3841
GI	none	Score	94
Exons	3267..3350, 3402..3506, 3593..3658, 3593..3655, 3598..3723, 3749..3841, 3751..3840		

Seq. No.	42385	Seq. ID	OJ000223_23.0323.C4
Gene No.	88273	Strand	+

Start	3288	End	5778
Name	OJ000223_23.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	3288	End	5773
GI	none	Score	93
Exons	3288..3350, 3408..3455, 3453..3506, 3592..3681, 3593..3658, 3749..3805, 3760..3807, 3767..3850, 3802..3849, 5717..5773, 5718..5771		

Seq. No.	42385	Seq. ID	OJ000223_23.0323.C4
Gene No.	88273	Strand	+
Start	3288	End	5778
Name	OJ000223_23.0323.C4.o2.gs	Method	GENSCAN
Start	3288	End	5778
GI	none	Score	.57
Exons	3288..3510, 3749..3843, 4310..4512, 5411..5445, 5675..5778		

Seq. No.	42385	Seq. ID	OJ000223_23.0323.C4
Gene No.	88273	Strand	+
Start	3288	End	5778
Name	OJ000223_23.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	3402	End	3823
GI	none	Score	71
Exons	3402..3461, 3462..3506, 3593..3658, 3598..3681, 3747..3821, 3748..3822, 3749..3823		

Seq. No.	42385	Seq. ID	OJ000223_23.0323.C4
Gene No.	88274	Strand	
Start	5748	End	5900
Name	OJ000223_23.0323.C4.o2.tm	Method	TBLASTX:Maize
Start	5748	End	5900
GI	none	Score	106
Exons	5748..5810, 5749..5811, 5752..5811, 5753..5821, 5816..5899, 5817..5900, 5829..5900		

Seq. No.	42386	Seq. ID	OJ000223_23.0323.C5
Gene No.	88275	Strand	+
Start	25	End	150
Name	OJ000223_23.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	150
GI	none	Score	106
Exons	1..84, 76..150		

Seq. No.	42386	Seq. ID	OJ000223_23.0323.C5
Gene No.	88275	Strand	+
Start	25	End	150
Name	OJ000223_23.0323.C5.o1.gs	Method	GENSCAN
Start	25	End	148
GI	none	Score	.99
Exons	25..148		

Seq. No.	42387	Seq. ID	OJ000223_23.0323.C6
Gene No.	88276	Strand	+
Start	249	End	2321
Name	OJ000223_23.0323.C6.o1.gs	Method	GENSCAN
Start	249	End	2306
GI	none	Score	.51
Exons	249..435, 2150..2306		

Seq. No.	42387	Seq. ID	OJ000223_23.0323.C6
Gene No.	88276	Strand	+
Start	249	End	2321
Name	OJ000223_23.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	1217	End	2321
GI	none	Score	83
Exons	1217..1270, 1219..1269, 2148..2306, 2150..2317, 2154..2321		

Seq. No.	42388	Seq. ID	OJ000223_23.0323.C7
Gene No.	88277	Strand	-
Start	613	End	733
Name	OJ000223_23.0323.C7.o1.gs	Method	GENSCAN
Start	613	End	733
GI	none	Score	.97
Exons	613..733		

Seq. No.	42389	Seq. ID	OJ000223_23.0323.C10
Gene No.	88278	Strand	-
Start	637	End	704
Name	OJ000223_23.0323.C10.o1.gs	Method	GENSCAN
Start	637	End	704
GI	none	Score	.69
Exons	637..704		

Seq. No.	42390	Seq. ID	OJ000223_23.0323.C11
Gene No.	88279	Strand	-
Start	1	End	1575
Name	OJ000223_23.0323.C11.o1.np	Method	AAT/NAP
Start	1	End	1218
GI	7106515	Score	1011
Exons	1..1218		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	42390	Seq. ID	OJ000223_23.0323.C11
Gene No.	88279	Strand	-
Start	1	End	1575
Name	OJ000223_23.0323.C11.o2.tm	Method	TBLASTX:Maize
Start	42	End	261
GI	none	Score	45
Exons	42..116, 53..115, 132..260, 132..257, 139..261, 139..261		

Seq. No.	42390	Seq. ID	OJ000223_23.0323.C11
Gene No.	88279	Strand	-
Start	1	End	1575
Name	OJ000223_23.0323.C11.o1.tw	Method	TBLASTX:Wheat
Start	118	End	419
GI	none	Score	111
Exons	118..339, 141..419		

Seq. No.	42390	Seq. ID	OJ000223_23.0323.C11
Gene No.	88279	Strand	-
Start	1	End	1575
Name	OJ000223_23.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	264	End	1077

GI	none	Score	62
Exons	264..485, 520..648, 596..646, 667..981, 674..856, 982..1005, 1006..1077		
Seq. No.	42390	Seq. ID	OJ000223_23.0323.C11
Gene No.	88279	Strand	-
Start	1	End	1575
Name	OJ000223_23.0323.C11.o1.gs	Method	GENSCAN
Start	290	End	1575
GI	none	Score	.52
Exons	290..427, 591..1441, 1552..1575		
Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88280	Strand	+
Start	380	End	9375
Name	OJ000223_23.0323.C12.o1.gs	Method	GENSCAN
Start	380	End	9375
GI	none	Score	.67
Exons	380..475, 4229..4384, 4519..4912, 4980..5141, 9251..9375		
Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88281	Strand	+
Start	9557	End	13948
Name	OJ000223_23.0323.C12.o4.np	Method	AAT/NAP
Start	9557	End	12808
GI	7487888	Score	216
Exons	9557..9610, 10762..10990, 11233..11568, 12627..12808		
GI Descrip.	hypothetical protein T9J22.30 - Arabidopsis thaliana gi|2739387|gb|AAC14510.1| (AC002505) En/Spm-like transposon protein [Arabidopsis thaliana]		
Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88281	Strand	+
Start	9557	End	13948
Name	OJ000223_23.0323.C12.o2.gs	Method	GENSCAN
Start	11803	End	13948
GI	none	Score	.82
Exons	11803..12156, 12479..13145, 13530..13622, 13884..13948		
Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88282	Strand	+
Start	14029	End	14310
Name	OJ000223_23.0323.C12.o1.gp	Method	AAT/GAP
Start	14029	End	14310
GI	none	Score	564
Exons	14029..14310		
Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88283	Strand	-
Start	5876	End	6763
Name	OJ000223_23.0323.C12.o1.np	Method	AAT/NAP
Start	5876	End	6763
GI	1171861	Score	689
Exons	5876..5992, 6348..6763		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT I (FRXB PROTEIN) gi|1363565|pir||S58619 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - maize chloroplast gi|902288|emb|CAA60352|		

(X86563) NADH dehydrogenase subunit [Zea mays]

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88284	Strand	-
Start	6861	End	8933
Name	OJ000223_23.0323.C12.o2.np	Method	AAT/NAP
Start	6861	End	8933
GI	128620	Score	1704
Exons	6861..7395, 8382..8933		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi|66139|pir||DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi|669087|emb|CAA33910| (X15901) NADH dehydrogenase ND1 [Oryza sativa] gi|226676|prf||1603356DD NADH dehydrogenase ND1 [Oryza sativa]		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88285	Strand	-
Start	8938	End	11119
Name	OJ000223_23.0323.C12.o3.np	Method	AAT/NAP
Start	8938	End	11119
GI	128835	Score	277
Exons	8938..9120, 11034..11119		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE 49 KD SUBUNIT, CHLOROPLAST (ORF 393) gi|66200|pir||DERZ49 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) 49K protein - rice chloroplast gi|12056|emb|CAA33911| (X15901) NADH dehydrogenase 49kDa protein [Oryza sativa] gi|226677|prf||1603356DE NADH dehydrogenase 49kD protein [Oryza sativa]		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o3.ts	Method	TBLASTX:Soybean
Start	6500	End	6768
GI	none	Score	253
Exons	6500..6754, 6501..6755, 6505..6768, 6516..6761		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	6666	End	9069
GI	none	Score	133
Exons	6666..6794, 6666..6785, 6667..6831, 6668..6841, 6859..7059, 6862..7053, 6897..7094, 7046..7342, 7051..7335, 7053..7352, 7053..7352, 7326..7397, 7337..7396, 7339..7398, 8364..8588, 8381..8803, 8383..8805, 8384..8806, 8846..8947, 8848..9069, 8848..9069		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	6856	End	8381
GI	none	Score	475
Exons	6856..7335, 6856..7335, 6879..7352, 6897..7352, 7326..7397, 7337..7489, 7339..7476, 7607..7642, 7644..7700, 7658..7696,		

7746..7799, 7851..7934, 7857..7931, 7864..7932, 8013..8075,
8026..8094, 8028..8060, 8126..8158, 8128..8163, 8211..8273,
8212..8250, 8258..8308, 8259..8381

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	8459	End	9117
GI	none	Score	375
Exons	8459..8815, 8461..8805, 8812..8844, 8840..8947, 8850..8945, 8851..9117, 8879..9115		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o4.tm	Method	TBLASTX:Maize
Start	10833	End	10997
GI	none	Score	235
Exons	10833..10997, 10834..10995		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	11223	End	11446
GI	none	Score	287
Exons	11223..11444, 11231..11446, 11232..11444		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o5.ts	Method	TBLASTX:Soybean
Start	11232	End	11531
GI	none	Score	103
Exons	11232..11321, 11243..11311, 11336..11509, 11337..11531		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	11562	End	13144
GI	none	Score	153
Exons	11562..11678, 11571..11678, 11575..11679, 11803..12096, 11819..12097, 11819..12055, 11916..12092, 13079..13144		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o3.tm	Method	TBLASTX:Maize
Start	14245	End	21036
GI	none	Score	64
Exons	14245..14301, 14250..14303, 20589..20675, 20591..20674, 20593..20676, 20593..20676, 20761..20859, 20761..20844, 20763..20861, 20763..20864, 20875..21027, 20909..21034, 20917..21036, 20937..21035		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o4.ts	Method	TBLASTX:Soybean
Start	14253	End	21035
GI	none	Score	70
Exons	14253..14321, 20576..20632, 20593..20655, 20593..20676, 20754..20864, 20764..20859, 20933..21031, 20940..21035		

Seq. No.	42391	Seq. ID	OJ000223_23.0323.C12
Gene No.	88286	Strand	-
Start	14256	End	21036
Name	OJ000223_23.0323.C12.o5.np	Method	AAT/NAP
Start	14256	End	21032
GI	5103813	Score	283
Exons	14256..14315, 20593..20673, 20763..20858, 20933..21032		
GI Descrip.	(AC007591) Contains a PF|00175 Oxidoreductase FAD/NADH-binding domain. ESTs gb|H76345 and gb|AA651465 come from this gene. [Arabidopsis thaliana]		

Seq. No.	42392	Seq. ID	OJ000223_23.0323.C13
Gene No.	88287	Strand	+
Start	5275	End	5530
Name	OJ000223_23.0323.C13.o1.gp	Method	AAT/GAP
Start	5275	End	5530
GI	61605_3.R1084	Score	448
Exons	5275..5530		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	42392	Seq. ID	OJ000223_23.0323.C13
Gene No.	88288	Strand	+
Start	5990	End	6507
Name	OJ000223_23.0323.C13.o2.gp	Method	AAT/GAP
Start	5990	End	6507
GI	uC-osflM202048c12b1	Score	766
Exons	5990..6507		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	42392	Seq. ID	OJ000223_23.0323.C13
Gene No.	88289	Strand	-
Start	5900	End	8576
Name	OJ000223_23.0323.C13.o1.np	Method	AAT/NAP
Start	5900	End	7655
GI	6063554	Score	345
Exons	5900..6071, 6711..6741, 7039..7281, 7399..7655		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42392	Seq. ID	OJ000223_23.0323.C13
Gene No.	88289	Strand	-
Start	5900	End	8576
Name	OJ000223_23.0323.C13.o2.gs	Method	GENSCAN
Start	6916	End	8576
GI	none	Score	.4

Exons	6916..7178, 8275..8400, 8429..8576		
Seq. No.	42393	Seq. ID	OJ000223_23.0323.C14
Gene No.	88290	Strand	+
Start	2835	End	9886
Name	OJ000223_23.0323.C14.o1.np	Method	AAT/NAP
Start	2835	End	9735
GI	6815097	Score	3734
Exons	2835..3709, 6465..7069, 7184..8875, 8957..9735		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	42393	Seq. ID	OJ000223_23.0323.C14
Gene No.	88290	Strand	+
Start	2835	End	9886
Name	OJ000223_23.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	2928	End	3188
GI	none	Score	218
Exons	2928..3188		
Seq. No.	42393	Seq. ID	OJ000223_23.0323.C14
Gene No.	88290	Strand	+
Start	2835	End	9886
Name	OJ000223_23.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	9214	End	9567
GI	none	Score	44
Exons	9214..9252, 9244..9567, 9255..9566		
Seq. No.	42393	Seq. ID	OJ000223_23.0323.C14
Gene No.	88290	Strand	+
Start	2835	End	9886
Name	OJ000223_23.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	9226	End	9810
GI	none	Score	186
Exons	9226..9579, 9694..9810		
Seq. No.	42393	Seq. ID	OJ000223_23.0323.C14
Gene No.	88290	Strand	+
Start	2835	End	9886
Name	OJ000223_23.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	9693	End	9886
GI	none	Score	239
Exons	9693..9884, 9697..9885, 9770..9886		
Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88291	Strand	+
Start	297	End	951
Name	OJ000223_23.0323.C15.o1.gs	Method	GENSCAN
Start	297	End	951
GI	none	Score	.49
Exons	297..467, 493..561, 640..951		
Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88292	Strand	+
Start	3460	End	8078
Name	OJ000223_23.0323.C15.o1.np	Method	AAT/NAP
Start	2827	End	8078

GI	7248394	Score	1427
Exons	2827..3721, 5620..6671, 7952..8078		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88292	Strand	+
Start	3460	End	8078
Name	OJ000223_23.0323.C15.o2.gs	Method	GENSCAN
Start	3460	End	4058
GI	none	Score	.91
Exons	3460..3550, 3868..4058		

Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88292	Strand	+
Start	3460	End	8078
Name	OJ000223_23.0323.C15.o3.gs	Method	GENSCAN
Start	4621	End	5902
GI	none	Score	.48
Exons	4621..4927, 5532..5902		

Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88292	Strand	+
Start	3460	End	8078
Name	OJ000223_23.0323.C15.o2.np	Method	AAT/NAP
Start	6346	End	8078
GI	629693	Score	175
Exons	6346..6378, 7307..7660, 7971..8078		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88293	Strand	-
Start	7300	End	7708
Name	OJ000223_23.0323.C15.o1.tw	Method	TBLASTX:Wheat
Start	5491	End	5897
GI	none	Score	60
Exons	5491..5535, 5492..5548, 5543..5872, 5551..5895, 5551..5829, 5558..5893, 5562..5897		

Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88293	Strand	-
Start	7300	End	7708
Name	OJ000223_23.0323.C15.o2.tm	Method	TBLASTX:Maize
Start	5546	End	5764
GI	none	Score	280
Exons	5546..5764, 5546..5722, 5551..5763		

Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88293	Strand	-
Start	7300	End	7708
Name	OJ000223_23.0323.C15.o1.tm	Method	TBLASTX:Maize
Start	5765	End	6225
GI	none	Score	424

Exons	5765..6223, 5767..5829, 5917..6225		
Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88293	Strand	-
Start	7300	End	7708
Name	OJ000223_23.0323.C15.o1.ts	Method	TBLASTX:Soybean
Start	5912	End	6384
GI	none	Score	206
Exons	5912..6193, 6235..6384		
Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88293	Strand	-
Start	7300	End	7708
Name	OJ000223_23.0323.C15.o2.tw	Method	TBLASTX:Wheat
Start	5924	End	6214
GI	none	Score	174
Exons	5924..6214		
Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88293	Strand	-
Start	7300	End	7708
Name	OJ000223_23.0323.C15.o4.gs	Method	GENSCAN
Start	7300	End	7708
GI	none	Score	.42
Exons	7300..7413, 7613..7708		
Seq. No.	42394	Seq. ID	OJ000223_23.0323.C15
Gene No.	88293	Strand	-
Start	7300	End	7708
Name	OJ000223_23.0323.C15.o2.ts	Method	TBLASTX:Soybean
Start	7318	End	7605
GI	none	Score	185
Exons	7318..7605, 7512..7604		
Seq. No.	42395	Seq. ID	OJ000223_23.0323.C16
Gene No.	88294	Strand	-
Start	94	End	833
Name	OJ000223_23.0323.C16.o1.gs	Method	GENSCAN
Start	94	End	833
GI	none	Score	.43
Exons	94..219, 401..526, 708..833		
Seq. No.	42396	Seq. ID	OJ000223_23.0323.C17
Gene No.	88295	Strand	+
Start	551	End	706
Name	OJ000223_23.0323.C17.o1.gp	Method	AAT/GAP
Start	551	End	706
GI	61605_3.R1084	Score	275
Exons	551..706		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	42397	Seq. ID	OJ000223_23.0323.C18
Gene No.	88296	Strand	+
Start	1	End	3394
Name	OJ000223_23.0323.C18.o3.np	Method	AAT/NAP
Start	1	End	3237

GI	5042454	Score	193
Exons	1..45, 2635..2811, 3177..3237		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42397	Seq. ID	OJ000223_23.0323.C18
Gene No.	88296	Strand	+
Start	1	End	3394
Name	OJ000223_23.0323.C18.o1.gs	Method	GENSCAN
Start	303	End	3394
GI	none	Score	.49
Exons	303..408, 2015..2049, 2284..2351, 2775..2817, 3169..3254, 3286..3394		

Seq. No.	42397	Seq. ID	OJ000223_23.0323.C18
Gene No.	88297	Strand	-
Start	1	End	170
Name	OJ000223_23.0323.C18.o1.np	Method	AAT/NAP
Start	1	End	170
GI	6498436	Score	75
Exons	1..170		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88298	Strand	+
Start	7314	End	9393
Name	OJ000223_23.0323.C19.o3.gp	Method	AAT/GAP
Start	7055	End	7926
GI	none	Score	1293
Exons	7055..7430, 7494..7521, 7649..7926		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88298	Strand	+
Start	7314	End	9393
Name	OJ000223_23.0323.C19.o2.gs	Method	GENSCAN
Start	7314	End	9352
GI	none	Score	1
Exons	7314..7521, 7649..7930, 8142..9352		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88298	Strand	+
Start	7314	End	9393
Name	OJ000223_23.0323.C19.o1.np	Method	AAT/NAP
Start	8227	End	9393
GI	7487597	Score	402
Exons	8227..9393		
GI Descrip.	hypothetical protein T32G6.16 - Arabidopsis thaliana gi|2618699|gb|AAB84346.1| (AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88299	Strand	+
Start	9297	End	9613
Name	OJ000223_23.0323.C19.o5.gp	Method	AAT/GAP
Start	9297	End	9613
GI	5004633	Score	590
Exons	9297..9613		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88300	Strand	+
Start	9884	End	10956
Name	OJ000223_23.0323.C19.o3.gs	Method	GENSCAN
Start	9884	End	10956
GI	none	Score	.92
Exons	9884..9935, 10832..10956		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88301	Strand	-
Start	372	End	4643
Name	OJ000223_23.0323.C19.o1.gp	Method	AAT/GAP
Start	372	End	974
GI	none	Score	738
Exons	372..533, 750..974		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88301	Strand	-
Start	372	End	4643
Name	OJ000223_23.0323.C19.o1.gs	Method	GENSCAN
Start	750	End	4643
GI	none	Score	.5
Exons	750..850, 2090..2145, 2789..3533, 4428..4643		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88301	Strand	-
Start	372	End	4643
Name	OJ000223_23.0323.C19.o2.gp	Method	AAT/GAP
Start	2536	End	3006
GI	none	Score	931
Exons	2536..3006		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88302	Strand	-
Start	8502	End	8844
Name	OJ000223_23.0323.C19.o4.gp	Method	AAT/GAP
Start	8502	End	8844
GI	56163_1.R1084	Score	634
Exons	8502..8844		
GI Descrip.	'2618699 3.0e-09 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o4.tm	Method	TBLASTX:Maize
Start	4569	End	4731
GI	none	Score	135
Exons	4569..4730, 4572..4730, 4600..4731, 4603..4731		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o2.tw	Method	TBLASTX:Wheat
Start	4862	End	9160
GI	none	Score	55
Exons	4862..4903, 8963..9160, 9020..9154		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o5.tm	Method	TBLASTX:Maize
Start	7313	End	7556
GI	none	Score	70
Exons	7313..7342, 7314..7358, 7365..7526, 7412..7516, 7485..7556		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o1.tm	Method	TBLASTX:Maize
Start	8243	End	8836
GI	none	Score	604
Exons	8243..8656, 8243..8383, 8245..8664, 8653..8682, 8654..8689, 8690..8836, 8725..8766		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o1.ts	Method	TBLASTX:Soybean
Start	8435	End	9133
GI	none	Score	232
Exons	8435..8701, 8987..9088, 9098..9133		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o1.tc	Method	TBLASTX:Cress
Start	8452	End	8812
GI	none	Score	246
Exons	8452..8679, 8453..8716, 8756..8812		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o1.tw	Method	TBLASTX:Wheat
Start	8635	End	8932
GI	none	Score	365
Exons	8635..8682, 8636..8932, 8675..8725, 8728..8766, 8810..8899, 8848..8931		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o3.tm	Method	TBLASTX:Maize
Start	8836	End	9040
GI	none	Score	244
Exons	8836..9039, 8837..9040		

Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o2.tc	Method	TBLASTX:Cress
Start	8987	End	9256
GI	none	Score	90

Exons	8987..9088, 9095..9256		
Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o2.tm	Method	TBLASTX:Maize
Start	9053	End	9468
GI	none	Score	350
Exons	9053..9151, 9059..9316, 9214..9345, 9397..9468		
Seq. No.	42398	Seq. ID	OJ000223_23.0323.C19
Gene No.	88303	Strand	-
Start	10131	End	12352
Name	OJ000223_23.0323.C19.o2.np	Method	AAT/NAP
Start	10131	End	12352
GI	5852093	Score	48
Exons	10131..10206, 11870..11984, 12322..12352		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	42399	Seq. ID	OJ000223_23.0323.C20
Gene No.	88304	Strand	-
Start	146	End	1740
Name	OJ000223_23.0323.C20.o1.np	Method	AAT/NAP
Start	118	End	1584
GI	6498436	Score	924
Exons	118..247, 500..1319, 1368..1584		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	42399	Seq. ID	OJ000223_23.0323.C20
Gene No.	88304	Strand	-
Start	146	End	1740
Name	OJ000223_23.0323.C20.o1.gs	Method	GENSCAN
Start	146	End	1740
GI	none	Score	.63
Exons	146..236, 661..957, 1403..1740		
Seq. No.	42400	Seq. ID	OJ000223_23.0323.C21
Gene No.	88305	Strand	-
Start	34	End	763
Name	OJ000223_23.0323.C21.o1.gs	Method	GENSCAN
Start	34	End	763
GI	none	Score	.69
Exons	34..159, 188..313, 342..467, 496..621, 650..763		
Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88306	Strand	+
Start	3607	End	12256
Name	OJ000223_23.0323.C22.o5.np	Method	AAT/NAP
Start	3607	End	8875
GI	6498436	Score	102
Exons	3607..3636, 8460..8489, 8756..8875		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88306	Strand	+
Start	3607	End	12256
Name	OJ000223_23.0323.C22.o3.np	Method	AAT/NAP

Start	5407	End	5827
GI	4680185	Score	119
Exons	5407..5827		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88306	Strand	+
Start	3607	End	12256
Name	OJ000223_23.0323.C22.o6.np	Method	AAT/NAP
Start	8469	End	12256
GI	7406450	Score	72
Exons	8469..8558, 11659..11799, 12223..12256		
GI Descrip.	(AL162875) putative protein [Arabidopsis thaliana]		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88306	Strand	+
Start	3607	End	12256
Name	OJ000223_23.0323.C22.o2.gp	Method	AAT/GAP
Start	12057	End	12185
GI	none	Score	182
Exons	12057..12185		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88307	Strand	-
Start	920	End	2513
Name	OJ000223_23.0323.C22.o1.np	Method	AAT/NAP
Start	920	End	2513
GI	4680179	Score	1142
Exons	920..1423, 1478..2513		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88308	Strand	-
Start	2784	End	11306
Name	OJ000223_23.0323.C22.o2.gs	Method	GENSCAN
Start	2784	End	11306
GI	none	Score	.54
Exons	2784..3452, 5057..5141, 5536..5763, 6107..6191, 6679..6852, 7432..7720, 8494..8554, 10055..10299, 10370..10537, 11250..11306		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88308	Strand	-
Start	2784	End	11306
Name	OJ000223_23.0323.C22.o4.np	Method	AAT/NAP
Start	4711	End	7701
GI	6573736	Score	89
Exons	4711..4753, 6594..6640, 6679..6856, 7621..7701		
GI Descrip.	(AC009398) F20B24.10 [Arabidopsis thaliana]		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88308	Strand	-
Start	2784	End	11306
Name	OJ000223_23.0323.C22.o1.gp	Method	AAT/GAP
Start	9734	End	10417
GI	3763508	Score	1111
Exons	9734..10299, 10373..10417		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88309	Strand	-
Start	12074	End	12169
Name	OJ000223_23.0323.C22.o2.tw	Method	TBLASTX:Wheat
Start	990	End	1344
GI	none	Score	126
Exons	990..1343, 1042..1344		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88309	Strand	-
Start	12074	End	12169
Name	OJ000223_23.0323.C22.o1.tw	Method	TBLASTX:Wheat
Start	1692	End	2043
GI	none	Score	76
Exons	1692..2039, 1845..2012, 1879..2043		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88309	Strand	-
Start	12074	End	12169
Name	OJ000223_23.0323.C22.o1.tm	Method	TBLASTX:Maize
Start	1734	End	2039
GI	none	Score	80
Exons	1734..2039, 1879..2022		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88309	Strand	-
Start	12074	End	12169
Name	OJ000223_23.0323.C22.o3.tw	Method	TBLASTX:Wheat
Start	2062	End	2288
GI	none	Score	130
Exons	2062..2262, 2064..2273, 2076..2288		

Seq. No.	42401	Seq. ID	OJ000223_23.0323.C22
Gene No.	88309	Strand	-
Start	12074	End	12169
Name	OJ000223_23.0323.C22.o3.gs	Method	GENSCAN
Start	12074	End	12169
GI	none	Score	.64
Exons	12074..12169		

Seq. No.	42402	Seq. ID	OJ000223_23.0323.C23
Gene No.	88310	Strand	-
Start	1	End	1111
Name	OJ000223_23.0323.C23.o1.gp	Method	AAT/GAP
Start	1	End	788
GI	none	Score	549
Exons	1..84, 177..260, 371..408, 574..656, 747..788		

Seq. No.	42402	Seq. ID	OJ000223_23.0323.C23
Gene No.	88310	Strand	-
Start	1	End	1111
Name	OJ000223_23.0323.C23.o1.gs	Method	GENSCAN
Start	12	End	1111
GI	none	Score	.84
Exons	12..84, 574..656, 747..870, 933..1111		

Seq. No.	42402	Seq. ID	OJ000223_23.0323.C23

Gene No.	88311	Strand	-
Start	1418	End	1531
Name	OJ000223_23.0323.C23.o1.np	Method	AAT/NAP
Start	1418	End	1531
GI	4895169	Score	102
Exons	1418..1531		
GI Descrip.	(AC007662) putative helicase [Arabidopsis thaliana]		

Seq. No.	42403	Seq. ID	OJ000223_23.0323.C24
Gene No.	88312	Strand	-
Start	1	End	1244
Name	OJ000223_23.0323.C24.o1.np	Method	AAT/NAP
Start	1	End	1244
GI	7106515	Score	902
Exons	1..1085, 1165..1244		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	42403	Seq. ID	OJ000223_23.0323.C24
Gene No.	88312	Strand	-
Start	1	End	1244
Name	OJ000223_23.0323.C24.o1.gs	Method	GENSCAN
Start	42	End	1109
GI	none	Score	.78
Exons	42..709, 856..1109		

Seq. No.	42403	Seq. ID	OJ000223_23.0323.C24
Gene No.	88312	Strand	-
Start	1	End	1244
Name	OJ000223_23.0323.C24.o1.tm	Method	TBLASTX:Maize
Start	294	End	662
GI	none	Score	103
Exons	294..662, 468..662		

Seq. No.	42403	Seq. ID	OJ000223_23.0323.C24
Gene No.	88312	Strand	-
Start	1	End	1244
Name	OJ000223_23.0323.C24.o2.tm	Method	TBLASTX:Maize
Start	806	End	1021
GI	none	Score	88
Exons	806..1021, 807..947		

Seq. No.	42404	Seq. ID	OJ000223_22.0320.C1
Gene No.	88313	Strand	-
Start	219	End	806
Name	OJ000223_22.0320.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	413
GI	none	Score	73
Exons	1..183, 6..116, 16..180, 219..413, 220..405		

Seq. No.	42404	Seq. ID	OJ000223_22.0320.C1
Gene No.	88313	Strand	-
Start	219	End	806
Name	OJ000223_22.0320.C1.o1.tm	Method	TBLASTX:Maize
Start	112	End	756
GI	none	Score	44

Exons	112..144, 205..414, 211..402, 212..412, 219..413, 517..558, 524..559, 637..756, 643..690, 645..746		
Seq. No.	42404	Seq. ID	OJ000223_22.0320.C1
Gene No.	88313	Strand	-
Start	219	End	806
Name	OJ000223_22.0320.C1.o1.np	Method	AAT/NAP
Start	219	End	806
GI	7339694	Score	652
Exons	219..411, 524..806		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	42404	Seq. ID	OJ000223_22.0320.C1
Gene No.	88313	Strand	-
Start	219	End	806
Name	OJ000223_22.0320.C1.o1.gs	Method	GENSCAN
Start	220	End	732
GI	none	Score	.81
Exons	220..411, 524..732		
Seq. No.	42404	Seq. ID	OJ000223_22.0320.C1
Gene No.	88313	Strand	-
Start	219	End	806
Name	OJ000223_22.0320.C1.o1.tw	Method	TBLASTX:Wheat
Start	243	End	758
GI	none	Score	173
Exons	243..410, 244..414, 517..720, 524..715, 524..733, 525..740, 537..758		
Seq. No.	42405	Seq. ID	OJ000223_22.0320.C6
Gene No.	88314	Strand	-
Start	199	End	963
Name	OJ000223_22.0320.C6.o1.np	Method	AAT/NAP
Start	199	End	963
GI	7339712	Score	86
Exons	199..373, 911..963		
GI Descrip.	(AP001539) Similar to Arabidopsis thaliana chromosome II BAC T3F17; unknown protein. (AC005397) [Oryza sativa]		
Seq. No.	42406	Seq. ID	OJ000223_22.0320.C7
Gene No.	88315	Strand	+
Start	7977	End	8442
Name	OJ000223_22.0320.C7.o1.gp	Method	AAT/GAP
Start	7977	End	8442
GI	none	Score	900
Exons	7977..8442		
Seq. No.	42406	Seq. ID	OJ000223_22.0320.C7
Gene No.	88316	Strand	-
Start	1	End	7380
Name	OJ000223_22.0320.C7.o1.np	Method	AAT/NAP
Start	1	End	7380
GI	7339712	Score	2363
Exons	1..63, 197..230, 304..399, 497..581, 777..927, 1024..1106, 1968..2189, 2286..2360, 3291..3661, 5407..5484, 6130..6168, 6992..7259, 7342..7380		
GI Descrip.	(AP001539) Similar to Arabidopsis thaliana chromosome II BAC		

T3F17; unknown protein. (AC005397) [Oryza sativa]

Seq. No.	42406	Seq. ID	OJ000223_22.0320.C7
Gene No.	88316	Strand	-
Start	1	End	7380
Name	OJ000223_22.0320.C7.o1.gs	Method	GENSCAN
Start	198	End	7380
GI	none	Score	.49
Exons	198..230, 777..927, 1024..1106, 1968..2189, 2286..2360, 3291..3661, 5407..5484, 6130..6168, 6992..7259, 7342..7380		

Seq. No.	42406	Seq. ID	OJ000223_22.0320.C7
Gene No.	88317	Strand	-
Start	8347	End	8468
Name	OJ000223_22.0320.C7.o1.tm	Method	TBLASTX:Maize
Start	196	End	930
GI	none	Score	46
Exons	196..237, 196..234, 286..390, 286..399, 293..403, 302..400, 468..584, 469..588, 777..926, 777..926, 778..930		

Seq. No.	42406	Seq. ID	OJ000223_22.0320.C7
Gene No.	88317	Strand	-
Start	8347	End	8468
Name	OJ000223_22.0320.C7.o1.tw	Method	TBLASTX:Wheat
Start	335	End	2013
GI	none	Score	73
Exons	335..403, 335..400, 480..584, 480..584, 481..588, 749..910, 777..926, 777..926, 1023..1106, 1024..1116, 1024..1107, 1969..2013		

Seq. No.	42406	Seq. ID	OJ000223_22.0320.C7
Gene No.	88317	Strand	-
Start	8347	End	8468
Name	OJ000223_22.0320.C7.o2.np	Method	AAT/NAP
Start	8347	End	8468
GI	7339711	Score	195
Exons	8347..8468		
GI Descrip.	(AP001539) EST C26826(C50159) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F13A10; putative ARF1 family auxin responsive transcription factor. (AC006418) [Oryza sativa]		

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o1.gp	Method	AAT/GAP
Start	1	End	1991
GI	32948_1.R1084	Score	1950
Exons	1..196, 986..1629, 1714..1879, 1961..1991		
GI Descrip.	'2262117/gb|AAB63625.1| 1.0e-24 (AC002343) auxin inducible protein isolog [Arabidopsis thaliana]'		

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o1.np	Method	AAT/NAP
Start	1	End	4095

GI	7339711	Score	2664
Exons	1..196, 1244..1629, 1714..1879, 1961..2033, 2132..2251, 2336..2500, 2614..2704, 2842..2926, 3015..3170, 3570..3626, 3739..3837, 3955..4095		
GI Descrip.	(AP001539) EST C26826(C50159) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F13A10; putative ARF1 family auxin responsive transcription factor. (AC006418) [Oryza sativa]		

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o1.tc	Method	TBLASTX:Cress
Start	14	End	4053
GI	none	Score	50
Exons	14..82, 20..145, 95..196, 150..197, 1742..1777, 1817..1879, 1818..1883, 1955..1990, 2010..2036, 2012..2035, 2131..2253, 2138..2233, 2149..2238, 2334..2498, 2335..2514, 2336..2506, 2578..2712, 2613..2705, 2635..2718, 2840..2926, 2841..2927, 3013..3108, 3013..3105, 3015..3113, 3564..3629, 3745..3810, 3946..4053		

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o1.gs	Method	GENSCAN
Start	18	End	8831
GI	none	Score	.46
Exons	18..196, 986..1457, 1499..1629, 1961..2033, 2132..2251, 2614..2704, 2842..2926, 3015..3170, 3570..3626, 3739..3969, 7206..7387, 7954..8051, 8736..8831		

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o2.ts	Method	TBLASTX:Soybean
Start	20	End	197
GI	none	Score	55
Exons	20..85, 20..88, 95..196, 150..197		

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o2.tw	Method	TBLASTX:Wheat
Start	1469	End	1804
GI	none	Score	37
Exons	1469..1495, 1487..1510, 1520..1540, 1523..1540, 1529..1624, 1529..1630, 1542..1637, 1707..1799, 1708..1803, 1718..1804		

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o1.tm	Method	TBLASTX:Maize
Start	1554	End	2875
GI	none	Score	98
Exons	1554..1643, 1556..1627, 1557..1628, 1745..1882, 1745..1879, 1747..1881, 1953..2033, 1958..2050, 1960..2034, 2131..2253,		

2131..2253, 2141..2254, 2142..2264, 2142..2255, 2267..2407,
2327..2377, 2332..2406, 2383..2514, 2384..2554, 2578..2706,
2608..2703, 2613..2705, 2840..2875

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o1.ts	Method	TBLASTX:Soybean
Start	1775	End	3113
GI	none	Score	138
Exons	1775..1879, 1955..2017, 2003..2035, 2131..2253, 2295..2501, 2335..2514, 2336..2515, 2581..2712, 2613..2705, 2840..2926, 3013..3108, 3015..3113		

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o1.tw	Method	TBLASTX:Wheat
Start	1808	End	2448
GI	none	Score	58
Exons	1808..1879, 1818..1883, 1868..1900, 2006..2035, 2146..2253, 2155..2244, 2335..2448, 2336..2446		

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o2.gp	Method	AAT/GAP
Start	2342	End	4331
GI	26066_1.R1084	Score	1516
Exons	2342..2500, 2614..2704, 2842..2905, 3074..3170, 3570..3626, 3739..3837, 3955..4082, 4183..4331		
GI Descrip.	'4580575/gb|AAD24427.1|AF082176_1 3.0e-57 (AF082176) auxin response factor 9 [Arabidopsis thaliana] >gi_4972102_emb_CAB43898.1_ (AL078468) auxin response factor 9 (ARF9) [Arabidopsis thaliana]'		

Seq. No.	42407	Seq. ID	OJ000223_22.0320.C8
Gene No.	88318	Strand	-
Start	1	End	8831
Name	OJ000223_22.0320.C8.o2.tm	Method	TBLASTX:Maize
Start	3074	End	4058
GI	none	Score	83
Exons	3074..3169, 3075..3152, 3553..3645, 3570..3632, 3737..3799, 3739..3840, 3740..3799, 3926..4039, 3952..4056, 3964..4056, 4011..4058		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88319	Strand	+
Start	8529	End	10533
Name	OJ000223_22.0320.C11.o2.gs	Method	GENSCAN
Start	8529	End	10370
GI	none	Score	.42
Exons	8529..10370		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88319	Strand	+
Start	8529	End	10533

Name	OJ000223_22.0320.C11.o4.np	Method	AAT/NAP
Start	8529	End	10533
GI	7339702	Score	3086
Exons	8529..9462, 9616..10331, 10366..10533		
GI Descrip.	(AP001539) EST AU065085(F11092) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F13A10; putative bHLH transcription factor. (AC006418) [Oryza sativa]		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88320	Strand	-
Start	3203	End	4918
Name	OJ000223_22.0320.C11.o1.np	Method	AAT/NAP
Start	2058	End	2221
GI	7339705	Score	244
Exons	2058..2221		
GI Descrip.	(AP001539) ESTs D23839(R0339),AU082696(E61918) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome 4 BAC clone F28J12; putative protein. (AL021710) [Oryza sativa]		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88320	Strand	-
Start	3203	End	4918
Name	OJ000223_22.0320.C11.o1.gs	Method	GENSCAN
Start	3203	End	4918
GI	none	Score	.85
Exons	3203..3224, 3371..3504, 4129..4203, 4841..4918		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88320	Strand	-
Start	3203	End	4918
Name	OJ000223_22.0320.C11.o2.np	Method	AAT/NAP
Start	3206	End	4918
GI	7339704	Score	434
Exons	3206..3224, 3371..3504, 4129..4203, 4841..4918		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88321	Strand	-
Start	7490	End	8304
Name	OJ000223_22.0320.C11.o3.np	Method	AAT/NAP
Start	7490	End	8304
GI	7339703	Score	762
Exons	7490..7908, 8274..8304		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88322	Strand	-
Start	10248	End	10738
Name	OJ000223_22.0320.C11.o1.tw	Method	TBLASTX:Wheat
Start	8532	End	8937
GI	none	Score	538
Exons	8532..8933, 8532..8936, 8533..8937		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88322	Strand	-

Start	10248	End	10738
Name	OJ000223_22.0320.C11.o1.tm	Method	TBLASTX:Maize
Start	8639	End	9362
GI	none	Score	994
Exons	8639..9010, 8649..9305, 8649..9305, 9293..9361, 9294..9362		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88322	Strand	-
Start	10248	End	10738
Name	OJ000223_22.0320.C11.o2.ts	Method	TBLASTX:Soybean
Start	8853	End	9080
GI	none	Score	253
Exons	8853..9080, 8871..9074		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88322	Strand	-
Start	10248	End	10738
Name	OJ000223_22.0320.C11.o1.ts	Method	TBLASTX:Soybean
Start	9131	End	10313
GI	none	Score	348
Exons	9131..9214, 9329..9358, 9832..10020, 9843..10073, 9876..10037, 9890..10048, 10125..10313		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88322	Strand	-
Start	10248	End	10738
Name	OJ000223_22.0320.C11.o4.tm	Method	TBLASTX:Maize
Start	9419	End	9614
GI	none	Score	114
Exons	9419..9580, 9424..9549, 9429..9587, 9531..9614		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88322	Strand	-
Start	10248	End	10738
Name	OJ000223_22.0320.C11.o3.tm	Method	TBLASTX:Maize
Start	9714	End	10043
GI	none	Score	307
Exons	9714..9911, 9719..9928, 9720..9926, 9860..10039, 9885..10043, 9929..10039		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88322	Strand	-
Start	10248	End	10738
Name	OJ000223_22.0320.C11.o1.tc	Method	TBLASTX:Cress
Start	9869	End	10307
GI	none	Score	108
Exons	9869..10054, 9870..10076, 9890..10048, 10128..10307		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88322	Strand	-
Start	10248	End	10738
Name	OJ000223_22.0320.C11.o2.tm	Method	TBLASTX:Maize
Start	10044	End	10511
GI	none	Score	124
Exons	10044..10127, 10074..10127, 10128..10268, 10172..10270, 10178..10267, 10250..10360, 10256..10357, 10260..10364, 10261..10359, 10263..10511		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88322	Strand	-
Start	10248	End	10738
Name	OJ000223_22.0320.C11.o2.tw	Method	TBLASTX:Wheat
Start	10188	End	10624
GI	none	Score	215
Exons	10188..10364, 10190..10378, 10206..10439, 10207..10365, 10394..10444, 10562..10624		

Seq. No.	42408	Seq. ID	OJ000223_22.0320.C11
Gene No.	88322	Strand	-
Start	10248	End	10738
Name	OJ000223_22.0320.C11.o1.gp	Method	AAT/GAP
Start	10248	End	10738
GI	46570_1.R1084	Score	943
Exons	10248..10738		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	42409	Seq. ID	OJ000223_22.0320.C12
Gene No.	88323	Strand	+
Start	2398	End	8174
Name	OJ000223_22.0320.C12.o1.gs	Method	GENSCAN
Start	2398	End	2889
GI	none	Score	.46
Exons	2398..2483, 2745..2889		

Seq. No.	42409	Seq. ID	OJ000223_22.0320.C12
Gene No.	88323	Strand	+
Start	2398	End	8174
Name	OJ000223_22.0320.C12.o1.np	Method	AAT/NAP
Start	2398	End	8174
GI	7339701	Score	1939
Exons	2398..2515, 3487..3609, 4550..5263, 5592..5657, 7222..7289, 8070..8174		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42410	Seq. ID	OJ000223_22.0320.C13
Gene No.	88324	Strand	+
Start	2283	End	4404
Name	OJ000223_22.0320.C13.o1.tw	Method	TBLASTX:Wheat
Start	669	End	956
GI	none	Score	59
Exons	669..956, 724..885		

Seq. No.	42410	Seq. ID	OJ000223_22.0320.C13
Gene No.	88324	Strand	+
Start	2283	End	4404
Name	OJ000223_22.0320.C13.o1.np	Method	AAT/NAP
Start	2283	End	4404
GI	7339699	Score	3611
Exons	2283..4404		
GI Descrip.	(AP001539) EST C98176(C0955) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F13A10; putative cellular apoptosis susceptibility protein. (AC006418) [Oryza sativa]		

Seq. No.	42410	Seq. ID	OJ000223_22.0320.C13
Gene No.	88324	Strand	+
Start	2283	End	4404
Name	OJ000223_22.0320.C13.o1.tc	Method	TBLASTX:Cress
Start	2904	End	3230
GI	none	Score	198
Exons	2904..3074, 2939..3046, 3102..3230, 3143..3223		

Seq. No.	42410	Seq. ID	OJ000223_22.0320.C13
Gene No.	88324	Strand	+
Start	2283	End	4404
Name	OJ000223_22.0320.C13.o1.tm	Method	TBLASTX:Maize
Start	3308	End	3984
GI	none	Score	881
Exons	3308..3970, 3309..3983, 3928..3984		

Seq. No.	42410	Seq. ID	OJ000223_22.0320.C13
Gene No.	88324	Strand	+
Start	2283	End	4404
Name	OJ000223_22.0320.C13.o1.ts	Method	TBLASTX:Soybean
Start	4011	End	4403
GI	none	Score	122
Exons	4011..4154, 4013..4075, 4137..4376, 4145..4387, 4146..4403		

Seq. No.	42410	Seq. ID	OJ000223_22.0320.C13
Gene No.	88324	Strand	+
Start	2283	End	4404
Name	OJ000223_22.0320.C13.o2.tm	Method	TBLASTX:Maize
Start	4193	End	4404
GI	none	Score	345
Exons	4193..4402, 4194..4403, 4195..4404, 4195..4404		

Seq. No.	42411	Seq. ID	OJ000223_22.0320.C14
Gene No.	88325	Strand	+
Start	1	End	5620
Name	OJ000223_22.0320.C14.o1.np	Method	AAT/NAP
Start	1	End	534
GI	7339699	Score	891
Exons	1..534		
GI Descrip.	(AP001539) EST C98176(C0955) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F13A10; putative cellular apoptosis susceptibility protein. (AC006418) [Oryza sativa]		

Seq. No.	42411	Seq. ID	OJ000223_22.0320.C14
Gene No.	88325	Strand	+
Start	1	End	5620
Name	OJ000223_22.0320.C14.o1.gs	Method	GENSCAN
Start	70	End	5591
GI	none	Score	.63
Exons	70..381, 443..537, 2025..2197, 3581..3667, 3848..4372, 4453..5591		

Seq. No.	42411	Seq. ID	OJ000223_22.0320.C14
Gene No.	88325	Strand	+
Start	1	End	5620

Name	OJ000223_22.0320.C14.o2.ts	Method	TBLASTX:Soybean
Start	76	End	450
GI	none	Score	203
Exons	76..249, 76..243, 90..245, 313..450, 315..446		

Seq. No.	42411	Seq. ID	OJ000223_22.0320.C14
Gene No.	88325	Strand	+
Start	1	End	5620
Name	OJ000223_22.0320.C14.o1.gp	Method	AAT/GAP
Start	97	End	2406
GI	26330_1.R1084	Score	1542
Exons	97..537, 2054..2406		
GI Descrip.	'4415933/gb|AAD20163| 3.0e-33 (AC006418) putative cellular apoptosis susceptibility protein [Arabidopsis thaliana] >gi_4559390_gb_AAD23050.1_AC006526_15 (AC006526) putative cellular apoptosis susceptibility protein [Arabidopsis thaliana]'		

Seq. No.	42411	Seq. ID	OJ000223_22.0320.C14
Gene No.	88325	Strand	+
Start	1	End	5620
Name	OJ000223_22.0320.C14.o2.tm	Method	TBLASTX:Maize
Start	318	End	540
GI	none	Score	246
Exons	318..539, 318..539, 319..540		

Seq. No.	42411	Seq. ID	OJ000223_22.0320.C14
Gene No.	88325	Strand	+
Start	1	End	5620
Name	OJ000223_22.0320.C14.o2.np	Method	AAT/NAP
Start	3244	End	5620
GI	7339698	Score	3102
Exons	3244..3381, 3581..3716, 3848..4372, 4453..5620		
GI Descrip.	(AP001539) Similar to Caenorhabditis elegans chromosome V cosmid T10G3; Homo sapiens endosomal protein P162 (Z81118) [Oryza sativa]		

Seq. No.	42411	Seq. ID	OJ000223_22.0320.C14
Gene No.	88325	Strand	+
Start	1	End	5620
Name	OJ000223_22.0320.C14.o1.ts	Method	TBLASTX:Soybean
Start	4947	End	5618
GI	none	Score	100
Exons	4947..5183, 5036..5179, 5186..5386, 5187..5618, 5501..5617		

Seq. No.	42411	Seq. ID	OJ000223_22.0320.C14
Gene No.	88325	Strand	+
Start	1	End	5620
Name	OJ000223_22.0320.C14.o1.tm	Method	TBLASTX:Maize
Start	5037	End	5546
GI	none	Score	99
Exons	5037..5213, 5163..5270, 5247..5546, 5248..5541, 5249..5545		

Seq. No.	42411	Seq. ID	OJ000223_22.0320.C14
Gene No.	88325	Strand	+
Start	1	End	5620
Name	OJ000223_22.0320.C14.o2.gp	Method	AAT/GAP

Start	5085	End	5303
GI	2799626	Score	403
Exons	5085..5303		

Seq. No.	42412	Seq. ID	OJ000223_22.0320.C15
Gene No.	88326	Strand	+
Start	290	End	478
Name	OJ000223_22.0320.C15.o1.np	Method	AAT/NAP
Start	290	End	478
GI	7339698	Score	300
Exons	290..478		
GI Descrip.	(AP001539) Similar to Caenorhabditis elegans chromosome V cosmid T10G3; Homo sapiens endosomal protein P162 (Z81118) [Oryza sativa]		

Seq. No.	42412	Seq. ID	OJ000223_22.0320.C15
Gene No.	88327	Strand	-
Start	1307	End	1955
Name	OJ000223_22.0320.C15.o1.tm	Method	TBLASTX:Maize
Start	1181	End	1742
GI	none	Score	208
Exons	1181..1231, 1310..1519, 1311..1520, 1498..1659, 1509..1742, 1516..1659, 1520..1741, 1521..1742		

Seq. No.	42412	Seq. ID	OJ000223_22.0320.C15
Gene No.	88327	Strand	-
Start	1307	End	1955
Name	OJ000223_22.0320.C15.o2.np	Method	AAT/NAP
Start	1307	End	1955
GI	7339697	Score	731
Exons	1307..1742, 1918..1955		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42412	Seq. ID	OJ000223_22.0320.C15
Gene No.	88327	Strand	-
Start	1307	End	1955
Name	OJ000223_22.0320.C15.o1.ts	Method	TBLASTX:Soybean
Start	1310	End	1742
GI	none	Score	35
Exons	1310..1405, 1311..1343, 1335..1406, 1428..1742, 1430..1741		

Seq. No.	42412	Seq. ID	OJ000223_22.0320.C15
Gene No.	88327	Strand	-
Start	1307	End	1955
Name	OJ000223_22.0320.C15.o1.tc	Method	TBLASTX:Cress
Start	1346	End	1741
GI	none	Score	54
Exons	1346..1417, 1428..1586, 1430..1585, 1586..1741, 1587..1739		

Seq. No.	42412	Seq. ID	OJ000223_22.0320.C15
Gene No.	88327	Strand	-
Start	1307	End	1955
Name	OJ000223_22.0320.C15.o1.gp	Method	AAT/GAP
Start	1378	End	1739
GI	23859_1.R1084	Score	699
Exons	1378..1739		
GI Descrip.	'5734756/gb|AAD50021.1|AC007651_16 5.0e-30 (AC007651) Similar to		

SOUL Protein [Arabidopsis thaliana]'

Seq. No.	42413	Seq. ID	OJ000223_22.0320.C16
Gene No.	88328	Strand	-
Start	214	End	417
Name	OJ000223_22.0320.C16.o1.gs	Method	GENSCAN
Start	214	End	417
GI	none	Score	.71
Exons	214..417		

Seq. No.	42413	Seq. ID	OJ000223_22.0320.C16
Gene No.	88329	Strand	
Start	532	End	854
Name	OJ000223_22.0320.C16.o1.tm	Method	TBLASTX:Maize
Start	532	End	854
GI	none	Score	172
Exons	532..789, 798..854		

Seq. No.	42414	Seq. ID	OJ000223_22.0320.C18
Gene No.	88330	Strand	+
Start	3824	End	10086
Name	OJ000223_22.0320.C18.o2.np	Method	AAT/NAP
Start	3824	End	10086
GI	7339707	Score	2102
Exons	3824..4409, 4701..4811, 5600..5683, 6095..6398, 6476..6523, 9981..10086		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42414	Seq. ID	OJ000223_22.0320.C18
Gene No.	88331	Strand	-
Start	1402	End	3248
Name	OJ000223_22.0320.C18.o1.np	Method	AAT/NAP
Start	1402	End	3248
GI	7339708	Score	587
Exons	1402..1483, 2989..3248		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42414	Seq. ID	OJ000223_22.0320.C18
Gene No.	88332	Strand	-
Start	11404	End	14482
Name	OJ000223_22.0320.C18.o2.gs	Method	GENSCAN
Start	11404	End	14482
GI	none	Score	.41
Exons	11404..12196, 13359..14482		

Seq. No.	42414	Seq. ID	OJ000223_22.0320.C18
Gene No.	88332	Strand	-
Start	11404	End	14482
Name	OJ000223_22.0320.C18.o1.gp	Method	AAT/GAP
Start	13068	End	13536
GI	32973_1.R1084	Score	874
Exons	13068..13536		
GI Descrip.	'4115916 4.0e-10 (AF118222) F3H7.9 gene product [Arabidopsis thaliana] >gi_4539441_emb_CAB40029.1_ (AL049523) putative protein [Arabidopsis thaliana]'		

Seq. No.	42414	Seq. ID	OJ000223_22.0320.C18

Gene No.	88332	Strand	-
Start	11404	End	14482
Name	OJ000223_22.0320.C18.o3.np	Method	AAT/NAP
Start	13310	End	14482
GI	7339706	Score	2069
Exons	13310..14482		
GI Descrip.	(AP001539) ESTs AU075845(S20210),AU075846(S20210) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome 4 BAC clone T4F9; putative protein. (AL049523) [Oryza sativa]		

Seq. No.	42414	Seq. ID	OJ000223_22.0320.C18
Gene No.	88332	Strand	-
Start	11404	End	14482
Name	OJ000223_22.0320.C18.o1.ts	Method	TBLASTX:Soybean
Start	13313	End	13675
GI	none	Score	75
Exons	13313..13363, 13397..13462, 13502..13618, 13622..13675		

Seq. No.	42414	Seq. ID	OJ000223_22.0320.C18
Gene No.	88332	Strand	-
Start	11404	End	14482
Name	OJ000223_22.0320.C18.o2.gp	Method	AAT/GAP
Start	13669	End	14144
GI	none	Score	894
Exons	13669..14144		

Seq. No.	42415	Seq. ID	OJ000223_22.0320.C21
Gene No.	88333	Strand	+
Start	76	End	553
Name	OJ000223_22.0320.C21.o1.gp	Method	AAT/GAP
Start	76	End	331
GI	23859_1.R1084	Score	473
Exons	76..331		
GI Descrip.	'5734756/gb|AAD50021.1|AC007651_16 5.0e-30 (AC007651) Similar to SOUL Protein [Arabidopsis thaliana]'		

Seq. No.	42415	Seq. ID	OJ000223_22.0320.C21
Gene No.	88333	Strand	+
Start	76	End	553
Name	OJ000223_22.0320.C21.o1.gs	Method	GENSCAN
Start	123	End	553
GI	none	Score	.98
Exons	123..331, 535..553		

Seq. No.	42415	Seq. ID	OJ000223_22.0320.C21
Gene No.	88333	Strand	+
Start	76	End	553
Name	OJ000223_22.0320.C21.o1.np	Method	AAT/NAP
Start	123	End	331
GI	7339697	Score	336
Exons	123..331		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42415	Seq. ID	OJ000223_22.0320.C21
Gene No.	88333	Strand	+
Start	76	End	553

Name	OJ000223_22.0320.C21.o1.tm	Method	TBLASTX:Maize
Start	189	End	329
GI	none	Score	159
Exons	189..296, 209..295, 296..328, 297..329		

Seq. No.	42416	Seq. ID	OJ000223_22.0320.C30
Gene No.	88334	Strand	+
Start	1069	End	4203
Name	OJ000223_22.0320.C30.o1.gs	Method	GENSCAN
Start	1069	End	3707
GI	none	Score	.4
Exons	1069..1159, 1360..1700, 1797..2088, 3525..3707		

Seq. No.	42416	Seq. ID	OJ000223_22.0320.C30
Gene No.	88334	Strand	+
Start	1069	End	4203
Name	OJ000223_22.0320.C30.o1.np	Method	AAT/NAP
Start	1360	End	4203
GI	7339714	Score	1569
Exons	1360..1611, 1780..2088, 3525..3662, 3708..3819, 4085..4203		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42416	Seq. ID	OJ000223_22.0320.C30
Gene No.	88335	Strand	+
Start	5295	End	7824
Name	OJ000223_22.0320.C30.o2.gs	Method	GENSCAN
Start	5295	End	7374
GI	none	Score	.45
Exons	5295..5395, 7031..7202, 7254..7374		

Seq. No.	42416	Seq. ID	OJ000223_22.0320.C30
Gene No.	88335	Strand	+
Start	5295	End	7824
Name	OJ000223_22.0320.C30.o2.np	Method	AAT/NAP
Start	6598	End	7824
GI	7339713	Score	536
Exons	6598..6679, 7057..7202, 7254..7389, 7713..7824		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42417	Seq. ID	OJ000223_10.0316.C1
Gene No.	88336	Strand	+
Start	1762	End	2793
Name	OJ000223_10.0316.C1.o1.gs	Method	GENSCAN
Start	1762	End	2793
GI	none	Score	.79
Exons	1762..1805, 2223..2304, 2641..2793		

Seq. No.	42417	Seq. ID	OJ000223_10.0316.C1
Gene No.	88337	Strand	+
Start	3288	End	3620
Name	OJ000223_10.0316.C1.o2.gs	Method	GENSCAN
Start	3288	End	3620
GI	none	Score	.77
Exons	3288..3620		

Seq. No.	42417	Seq. ID	OJ000223_10.0316.C1
Gene No.	88338	Strand	-

Start	4578	End	6826
Name	OJ000223_10.0316.C1.o3.gs	Method	GENSCAN
Start	4578	End	6051
GI	none	Score	.78
Exons	4578..5668, 5868..6051		

Seq. No.	42417	Seq. ID	OJ000223_10.0316.C1
Gene No.	88338	Strand	-
Start	4578	End	6826
Name	OJ000223_10.0316.C1.o2.tm	Method	TBLASTX:Maize
Start	4587	End	4938
GI	none	Score	84
Exons	4587..4766, 4620..4718, 4681..4746, 4857..4937, 4864..4938		

Seq. No.	42417	Seq. ID	OJ000223_10.0316.C1
Gene No.	88338	Strand	-
Start	4578	End	6826
Name	OJ000223_10.0316.C1.o2.tw	Method	TBLASTX:Wheat
Start	4602	End	4955
GI	none	Score	80
Exons	4602..4745, 4614..4751, 4776..4868, 4831..4941, 4866..4955		

Seq. No.	42417	Seq. ID	OJ000223_10.0316.C1
Gene No.	88338	Strand	-
Start	4578	End	6826
Name	OJ000223_10.0316.C1.o1.ts	Method	TBLASTX:Soybean
Start	4617	End	5520
GI	none	Score	63
Exons	4617..4748, 4620..4712, 4681..4770, 4827..5195, 4855..5196, 5232..5519, 5236..5520		

Seq. No.	42417	Seq. ID	OJ000223_10.0316.C1
Gene No.	88338	Strand	-
Start	4578	End	6826
Name	OJ000223_10.0316.C1.o1.np	Method	AAT/NAP
Start	4619	End	6826
GI	1235680	Score	741
Exons	4619..5668, 6732..6826		
GI Descrip.	(U48698) receptor serine/threonine kinase PR5K [Arabidopsis thaliana] gi|1589714|prf||2211427A receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	42417	Seq. ID	OJ000223_10.0316.C1
Gene No.	88338	Strand	-
Start	4578	End	6826
Name	OJ000223_10.0316.C1.o1.tc	Method	TBLASTX:Cress
Start	4620	End	5522
GI	none	Score	77
Exons	4620..4739, 4797..4838, 4869..5192, 4872..4958, 4873..4965, 5011..5184, 5232..5417, 5233..5361, 5418..5522, 5419..5499		

Seq. No.	42417	Seq. ID	OJ000223_10.0316.C1
Gene No.	88338	Strand	-
Start	4578	End	6826
Name	OJ000223_10.0316.C1.o1.tm	Method	TBLASTX:Maize
Start	4944	End	5513
GI	none	Score	107

Exons	4944..5201, 5040..5186, 5196..5408, 5233..5361, 5415..5513		
Seq. No.	42417	Seq. ID	OJ000223_10.0316.C1
Gene No.	88338	Strand	-
Start	4578	End	6826
Name	OJ000223_10.0316.C1.o1.tw	Method	TBLASTX:Wheat
Start	4956	End	5354
GI	none	Score	114
Exons	4956..5192, 5026..5169, 5223..5354		
Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88339	Strand	+
Start	1	End	2088
Name	OJ000223_10.0316.C2.o1.np	Method	AAT/NAP
Start	1	End	1964
GI	4680186	Score	189
Exons	1..18, 396..632, 1214..1289, 1914..1964		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88339	Strand	+
Start	1	End	2088
Name	OJ000223_10.0316.C2.o1.gs	Method	GENSCAN
Start	389	End	2088
GI	none	Score	.47
Exons	389..471, 837..998, 1070..1137, 1963..2088		
Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88340	Strand	+
Start	2956	End	5896
Name	OJ000223_10.0316.C2.o2.gs	Method	GENSCAN
Start	2956	End	5896
GI	none	Score	.88
Exons	2956..3840, 4038..4213, 4295..4626, 4746..4933, 5010..5112, 5271..5375, 5448..5896		
Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88340	Strand	+
Start	2956	End	5896
Name	OJ000223_10.0316.C2.o2.np	Method	AAT/NAP
Start	2956	End	5893
GI	6691716	Score	2315
Exons	2956..3826, 4024..4213, 4295..4574, 4745..4933, 5010..5112, 5262..5375, 5448..5893		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88341	Strand	+
Start	13777	End	15790
Name	OJ000223_10.0316.C2.o4.np	Method	AAT/NAP
Start	13777	End	15790
GI	7523494	Score	282
Exons	13777..13801, 14455..14835, 14878..15034, 15426..15790		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88342	Strand	-
Start	6213	End	12308
Name	OJ000223_10.0316.C2.o3.gs	Method	GENSCAN
Start	6213	End	12308
GI	none	Score	.52
Exons	6213..9374, 9510..12308		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88342	Strand	-
Start	6213	End	12308
Name	OJ000223_10.0316.C2.o3.np	Method	AAT/NAP
Start	6249	End	12308
GI	5922631	Score	6696
Exons	6249..8776, 9383..10306, 10433..10581, 10624..11195, 11241..11443, 11678..11925, 12184..12308		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o9.tw	Method	TBLASTX:Wheat
Start	3076	End	3366
GI	none	Score	211
Exons	3076..3366		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o6.tw	Method	TBLASTX:Wheat
Start	6225	End	6839
GI	none	Score	80
Exons	6225..6362, 6348..6506, 6561..6839, 6577..6678, 6645..6689, 6730..6819, 6753..6839		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o4.tm	Method	TBLASTX:Maize
Start	6264	End	6497
GI	none	Score	102
Exons	6264..6365, 6265..6366, 6345..6497, 6346..6396		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o6.tm	Method	TBLASTX:Maize
Start	6609	End	6882
GI	none	Score	56
Exons	6609..6695, 6705..6788, 6718..6792, 6775..6882, 6783..6881		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o4.tw	Method	TBLASTX:Wheat
Start	6954	End	7341
GI	none	Score	107
Exons	6954..7139, 6954..7340, 7030..7341		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o1.tm	Method	TBLASTX:Maize
Start	6984	End	7346
GI	none	Score	67
Exons	6984..7031, 6985..7032, 7018..7326, 7023..7346, 7036..7326		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o10.tw	Method	TBLASTX:Wheat
Start	7344	End	7643
GI	none	Score	134
Exons	7344..7484, 7509..7643		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o5.tw	Method	TBLASTX:Wheat
Start	7659	End	8081
GI	none	Score	263
Exons	7659..8081, 7669..8073		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o2.ts	Method	TBLASTX:Soybean
Start	7704	End	8090
GI	none	Score	155
Exons	7704..8090, 7711..8082		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o5.tm	Method	TBLASTX:Maize
Start	7755	End	8028
GI	none	Score	66
Exons	7755..7853, 7756..7821, 7857..8027, 7858..8028		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o3.tw	Method	TBLASTX:Wheat
Start	8118	End	8547
GI	none	Score	129
Exons	8118..8546, 8275..8547		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2

Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o3.tm	Method	TBLASTX:Maize
Start	8205	End	8649
GI	none	Score	87
Exons	8205..8231, 8229..8372, 8242..8373, 8394..8648, 8395..8649		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o1.ts	Method	TBLASTX:Soybean
Start	8316	End	8717
GI	none	Score	58
Exons	8316..8717, 8350..8520, 8556..8684, 8557..8700		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o2.tw	Method	TBLASTX:Wheat
Start	8592	End	9011
GI	none	Score	243
Exons	8592..9011, 8593..9009		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o2.tm	Method	TBLASTX:Maize
Start	8880	End	9236
GI	none	Score	98
Exons	8880..9173, 8880..9236, 8890..9195		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o3.ts	Method	TBLASTX:Soybean
Start	8961	End	9326
GI	none	Score	138
Exons	8961..9095, 9102..9326		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o8.tw	Method	TBLASTX:Wheat
Start	9011	End	9245
GI	none	Score	121
Exons	9011..9139, 9012..9182, 9012..9245, 9013..9225		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o1.tw	Method	TBLASTX:Wheat
Start	9246	End	10043
GI	none	Score	119
Exons	9246..9539, 9250..9474, 9586..9822, 9588..9818, 9867..9980, 9867..10043		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2

Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o7.tw	Method	TBLASTX:Wheat
Start	10617	End	11019
GI	none	Score	133
Exons	10617..11018, 10711..11019		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o4.gs	Method	GENSCAN
Start	13194	End	19777
GI	none	Score	.74
Exons	13194..13321, 14157..14185, 14656..14899, 14930..15034, 15205..15486, 19024..19777		

Seq. No.	42418	Seq. ID	OJ000223_10.0316.C2
Gene No.	88343	Strand	-
Start	13194	End	19777
Name	OJ000223_10.0316.C2.o5.np	Method	AAT/NAP
Start	19004	End	19714
GI	462499	Score	173
Exons	19004..19714		
GI Descrip.	ANTI-H(O) LECTIN (LTA)		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88344	Strand	+
Start	665	End	4201
Name	OJ000223_10.0316.C3.o1.np	Method	AAT/NAP
Start	665	End	4177
GI	6907089	Score	1937
Exons	665..1572, 1603..2420, 2493..3094, 3188..3397, 3503..4177		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88344	Strand	+
Start	665	End	4201
Name	OJ000223_10.0316.C3.o1.gs	Method	GENSCAN
Start	674	End	4201
GI	none	Score	.78
Exons	674..979, 1025..1941, 2227..2430, 2491..2761, 2810..3113, 3171..4201		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88345	Strand	+
Start	8101	End	8171
Name	OJ000223_10.0316.C3.o1.gp	Method	AAT/GAP
Start	8101	End	8171
GI	uC-osroM202024h08a1	Score	91
Exons	8101..8171		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88346	Strand	+
Start	17448	End	17849
Name	OJ000223_10.0316.C3.o4.gs	Method	GENSCAN

Start	17448	End	17849
GI	none	Score	.86
Exons	17448..17849		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88347	Strand	+
Start	25282	End	26036
Name	OJ000223_10.0316.C3.o6.np	Method	AAT/NAP
Start	25282	End	26036
GI	6539570	Score	141
Exons	25282..25473, 25647..25706, 25960..26036		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88348	Strand	-
Start	1	End	16834
Name	OJ000223_10.0316.C3.o3.np	Method	AAT/NAP
Start	1	End	10366
GI	5042454	Score	1121
Exons	1..29, 721..800, 2273..2399, 3965..4211, 4525..4614, 5189..6669, 9492..9573, 9646..9835, 10287..10366		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88348	Strand	-
Start	1	End	16834
Name	OJ000223_10.0316.C3.o4.np	Method	AAT/NAP
Start	1321	End	16312
GI	6523547	Score	351
Exons	1321..1453, 1578..1668, 2284..2399, 2811..2868, 3256..3283, 3845..3884, 5349..5479, 8631..8789, 9003..9172, 16008..16312		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88348	Strand	-
Start	1	End	16834
Name	OJ000223_10.0316.C3.o2.np	Method	AAT/NAP
Start	3086	End	10911
GI	7228457	Score	1180
Exons	3086..3103, 4673..5634, 10852..10911		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88348	Strand	-
Start	1	End	16834
Name	OJ000223_10.0316.C3.o3.gs	Method	GENSCAN
Start	14279	End	16834
GI	none	Score	.66
Exons	14279..14446, 15551..15595, 15776..15994, 16041..16378, 16771..16834		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88349	Strand	-
Start	21135	End	25015

Name	OJ000223_10.0316.C3.o1.tw	Method	TBLASTX:Wheat
Start	4698	End	5079
GI	none	Score	218
Exons	4698..5078, 4729..5079		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88349	Strand	-
Start	21135	End	25015
Name	OJ000223_10.0316.C3.o1.tm	Method	TBLASTX:Maize
Start	4882	End	5216
GI	none	Score	193
Exons	4882..5022, 4883..5074, 4893..5216, 4906..5103		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88349	Strand	-
Start	21135	End	25015
Name	OJ000223_10.0316.C3.o2.tw	Method	TBLASTX:Wheat
Start	5663	End	6010
GI	none	Score	114
Exons	5663..5935, 5697..5936, 5903..6001, 5904..6005, 5933..6010		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88349	Strand	-
Start	21135	End	25015
Name	OJ000223_10.0316.C3.o6.gs	Method	GENSCAN
Start	21135	End	25015
GI	none	Score	.42
Exons	21135..21276, 21632..21707, 21947..22029, 22866..23003, 23057..23226, 24839..25015		

Seq. No.	42419	Seq. ID	OJ000223_10.0316.C3
Gene No.	88349	Strand	-
Start	21135	End	25015
Name	OJ000223_10.0316.C3.o5.np	Method	AAT/NAP
Start	21165	End	25015
GI	5922620	Score	626
Exons	21165..21295, 23770..23854, 23891..24067, 24284..24453, 24798..25015		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42420	Seq. ID	OJ000223_10.0316.C4
Gene No.	88350	Strand	-
Start	13932	End	14039
Name	OJ000223_10.0316.C4.o2.gs	Method	GENSCAN
Start	13932	End	14039
GI	none	Score	.78
Exons	13932..14039		

Seq. No.	42420	Seq. ID	OJ000223_10.0316.C4
Gene No.	88351	Strand	-
Start	13986	End	14054
Name	OJ000223_10.0316.C4.o1.np	Method	AAT/NAP
Start	13986	End	14054

GI	5042454	Score	68
Exons	13986..14054		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88353	Strand	+
Start	895	End	4186
Name	OJ000223_10.0316.C5.o1.gs	Method	GENSCAN
Start	895	End	4186
GI	none	Score	.66
Exons	895..2156, 2251..3697, 3827..4039, 4046..4186		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88353	Strand	+
Start	895	End	4186
Name	OJ000223_10.0316.C5.o1.np	Method	AAT/NAP
Start	895	End	4183
GI	6907089	Score	4861
Exons	895..2156, 2251..4183		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88354	Strand	+
Start	10917	End	12189
Name	OJ000223_10.0316.C5.o4.np	Method	AAT/NAP
Start	10917	End	12189
GI	7523512	Score	182
Exons	10917..10941, 12067..12189		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88355	Strand	+
Start	12574	End	16225
Name	OJ000223_10.0316.C5.o3.gs	Method	GENSCAN
Start	12574	End	14679
GI	none	Score	.49
Exons	12574..12604, 14082..14273, 14468..14679		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88355	Strand	+
Start	12574	End	16225
Name	OJ000223_10.0316.C5.o5.np	Method	AAT/NAP
Start	14029	End	16225
GI	2129478	Score	113
Exons	14029..14459, 14549..14652, 16147..16225		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88356	Strand	-
Start	4811	End	10909
Name	OJ000223_10.0316.C5.o2.np	Method	AAT/NAP
Start	4811	End	10909
GI	7228457	Score	9428
Exons	4811..6307, 6374..7525, 7648..8482, 8546..10481, 10543..10909		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o5.tm	Method	TBLASTX:Maize
Start	4808	End	4951
GI	none	Score	126
Exons	4808..4951, 4812..4946		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o6.tw	Method	TBLASTX:Wheat
Start	5222	End	5587
GI	none	Score	91
Exons	5222..5488, 5228..5587, 5457..5585		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o3.tm	Method	TBLASTX:Maize
Start	5604	End	5887
GI	none	Score	177
Exons	5604..5870, 5606..5887		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o7.tw	Method	TBLASTX:Wheat
Start	5606	End	14254
GI	none	Score	109
Exons	5606..5989, 5673..5831, 5707..5850, 14195..14254		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o8.tw	Method	TBLASTX:Wheat
Start	6080	End	6392
GI	none	Score	65
Exons	6080..6331, 6216..6392		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o4.tw	Method	TBLASTX:Wheat
Start	6395	End	9855
GI	none	Score	88
Exons	6395..6544, 6396..6533, 6578..6829, 6579..6776, 6632..6853, 9802..9855		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o1.ts	Method	TBLASTX:Soybean
Start	7448	End	7825

GI	none	Score	90
Exons	7448..7825, 7665..7808		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o2.tw	Method	TBLASTX:Wheat
Start	7484	End	7904
GI	none	Score	320
Exons	7484..7903, 7488..7904		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o2.tm	Method	TBLASTX:Maize
Start	7577	End	7961
GI	none	Score	233
Exons	7577..7960, 7596..7961		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o1.tm	Method	TBLASTX:Maize
Start	7988	End	8344
GI	none	Score	129
Exons	7988..8293, 7988..8344, 7998..8309		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o1.tw	Method	TBLASTX:Wheat
Start	8012	End	8475
GI	none	Score	215
Exons	8012..8473, 8018..8473, 8019..8474, 8287..8475		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o2.ts	Method	TBLASTX:Soybean
Start	8069	End	8434
GI	none	Score	115
Exons	8069..8203, 8219..8434		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o3.tw	Method	TBLASTX:Wheat
Start	8639	End	9125
GI	none	Score	169
Exons	8639..9124, 8670..8930, 8952..9125		

Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o5.tw	Method	TBLASTX:Wheat
Start	9863	End	10415
GI	none	Score	95

Exons	9863..10120, 9897..10136, 10103..10201, 10104..10196, 10208..10255, 10380..10415		
Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o4.tm	Method	TBLASTX:Maize
Start	9965	End	10250
GI	none	Score	92
Exons	9965..10213, 9966..10250		
Seq. No.	42421	Seq. ID	OJ000223_10.0316.C5
Gene No.	88357	Strand	-
Start	11138	End	14452
Name	OJ000223_10.0316.C5.o3.np	Method	AAT/NAP
Start	11138	End	14452
GI	5042454	Score	220
Exons	11138..11198, 11603..11771, 11997..12131, 14237..14452		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	42422	Seq. ID	OJ000223_10.0316.C6
Gene No.	88358	Strand	-
Start	2086	End	2430
Name	OJ000223_10.0316.C6.o1.np	Method	AAT/NAP
Start	2086	End	2430
GI	6630700	Score	287
Exons	2086..2430		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		
Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88359	Strand	+
Start	4623	End	8233
Name	OJ000223_12.0316.C1.o1.gs	Method	GENSCAN
Start	4623	End	8233
GI	none	Score	.56
Exons	4623..4642, 5786..5910, 6447..6611, 7084..7120, 7426..8233		
Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88359	Strand	+
Start	4623	End	8233
Name	OJ000223_12.0316.C1.o1.np	Method	AAT/NAP
Start	6520	End	8176
GI	7488385	Score	407
Exons	6520..6563, 7564..8176		
GI Descrip.	transcription factor TINY - Arabidopsis thaliana gi|1246403|emb|CAA64359.1| (X94698) TINY [Arabidopsis thaliana] gi|3406035|gb|AAC29139.1| (AC005405) TINY [Arabidopsis thaliana]		
Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88360	Strand	+
Start	16556	End	16823
Name	OJ000223_12.0316.C1.o3.gs	Method	GENSCAN
Start	16556	End	16823
GI	none	Score	.48

Exons	16556..16630, 16728..16823		
Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88361	Strand	+
Start	46933	End	50040
Name	OJ000223_12.0316.C1.o7.np	Method	AAT/NAP
Start	46933	End	50040
GI	4416302	Score	3389
Exons	46933..50040		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88362	Strand	+
Start	63288	End	63675
Name	OJ000223_12.0316.C1.o4.gp	Method	AAT/GAP
Start	63288	End	63675
GI	LIB3477-003-P1-K1-E9	Score	159
Exons	63288..63368, 63651..63675		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88363	Strand	-
Start	8249	End	8583
Name	OJ000223_12.0316.C1.o1.gp	Method	AAT/GAP
Start	8249	End	8583
GI	2801019	Score	566
Exons	8249..8583		
GI Descrip.	3402817/emb|CAA07704| 3.0e-21 (AJ007829) lacZ' [Cloning vector pGreen]		
Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88364	Strand	-
Start	11857	End	12981
Name	OJ000223_12.0316.C1.o2.gs	Method	GENSCAN
Start	11857	End	12981
GI	none	Score	.87
Exons	11857..12108, 12763..12981		
Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88365	Strand	-
Start	26173	End	27847
Name	OJ000223_12.0316.C1.o2.np	Method	AAT/NAP
Start	26173	End	27847
GI	6539588	Score	284
Exons	26173..26208, 27543..27847		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88366	Strand	-
Start	29204	End	33335
Name	OJ000223_12.0316.C1.o5.np	Method	AAT/NAP
Start	29204	End	33335
GI	6539558	Score	247
Exons	29204..29653, 33295..33335		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza		

sativa]

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88366	Strand	-
Start	29204	End	33335
Name	OJ000223_12.0316.C1.o3.np	Method	AAT/NAP
Start	29218	End	29683
GI	6630685	Score	479
Exons	29218..29683		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88366	Strand	-
Start	29204	End	33335
Name	OJ000223_12.0316.C1.o4.np	Method	AAT/NAP
Start	29218	End	31029
GI	7489803	Score	474
Exons	29218..29681, 30926..31029		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88366	Strand	-
Start	29204	End	33335
Name	OJ000223_12.0316.C1.o6.np	Method	AAT/NAP
Start	31253	End	32932
GI	6539588	Score	269
Exons	31253..31295, 32619..32932		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o1.tc	Method	TBLASTX:Cress
Start	7615	End	7801
GI	none	Score	253
Exons	7615..7791, 7616..7801		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o4.ts	Method	TBLASTX:Soybean
Start	7615	End	7795
GI	none	Score	249
Exons	7615..7791, 7616..7795		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o9.tm	Method	TBLASTX:Maize
Start	7615	End	7777
GI	none	Score	222
Exons	7615..7776, 7616..7777		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1

Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o2.ts	Method	TBLASTX:Soybean
Start	29206	End	50046
GI	none	Score	139
Exons	29206..29466, 29485..29676, 49382..49594, 49394..49588, 49597..49764, 49605..49757, 49798..50046, 49806..49973		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o1.tm	Method	TBLASTX:Maize
Start	29236	End	50081
GI	none	Score	285
Exons	29236..29676, 29246..29662, 49373..49603, 49375..49593, 49382..49603, 49597..50034, 49599..50075, 49935..50081		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o2.tc	Method	TBLASTX:Cress
Start	29236	End	50019
GI	none	Score	38
Exons	29236..29481, 29470..29601, 49606..49650, 49654..49788, 49774..50019, 49800..49967		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o5.tw	Method	TBLASTX:Wheat
Start	29281	End	49986
GI	none	Score	112
Exons	29281..29457, 29476..29676, 49606..49779, 49674..49775, 49798..49986, 49854..49973		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o5.tm	Method	TBLASTX:Maize
Start	29716	End	47145
GI	none	Score	105
Exons	29716..29937, 29905..29997, 46761..46853, 46763..46855, 46882..47145, 46890..46958, 46986..47114		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o3.tw	Method	TBLASTX:Wheat
Start	29746	End	47214
GI	none	Score	230
Exons	29746..29940, 29950..29997, 46897..47214, 46911..47132		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o5.ts	Method	TBLASTX:Soybean
Start	29923	End	47043

GI	none	Score	85
Exons	29923..29997, 30410..30475, 44892..45026, 45078..45410, 46758..46823, 46903..46968, 46993..47043		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o8.tm	Method	TBLASTX:Maize
Start	47163	End	47424
GI	none	Score	69
Exons	47163..47255, 47164..47253, 47243..47422, 47244..47423, 47244..47423, 47248..47424		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o2.tw	Method	TBLASTX:Wheat
Start	47286	End	47859
GI	none	Score	259
Exons	47286..47516, 47287..47532, 47572..47850, 47572..47859		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o2.tm	Method	TBLASTX:Maize
Start	47424	End	47955
GI	none	Score	611
Exons	47424..47513, 47425..47955, 47431..47937, 47553..47951		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o3.ts	Method	TBLASTX:Soybean
Start	47701	End	48163
GI	none	Score	212
Exons	47701..47994, 47730..47891, 47990..48163		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o6.tm	Method	TBLASTX:Maize
Start	47959	End	48322
GI	none	Score	211
Exons	47959..48171, 47984..48211, 47984..48211, 48220..48321, 48224..48322, 48272..48310		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o4.tm	Method	TBLASTX:Maize
Start	48368	End	48670
GI	none	Score	305
Exons	48368..48631, 48403..48666, 48620..48670		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006

Name	OJ000223_12.0316.C1.o1.ts	Method	TBLASTX:Soybean
Start	48398	End	49011
GI	5509260	Score	732
Exons	48398..49006, 48493..49011, 48748..49011		
GI Descrip.	-		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o1.tw	Method	TBLASTX:Wheat
Start	48527	End	49003
GI	none	Score	84
Exons	48527..48616, 48623..48649, 48640..48993, 48650..48997, 48656..48754, 48658..48996, 48827..49003		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o3.tc	Method	TBLASTX:Cress
Start	48626	End	48892
GI	none	Score	196
Exons	48626..48892, 48631..48765, 48686..48766		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o3.tm	Method	TBLASTX:Maize
Start	48671	End	49138
GI	none	Score	573
Exons	48671..49138, 48672..48785, 48673..49137		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o7.tm	Method	TBLASTX:Maize
Start	49180	End	49372
GI	none	Score	243
Exons	49180..49371, 49181..49372		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o4.tw	Method	TBLASTX:Wheat
Start	49181	End	49594
GI	none	Score	101
Exons	49181..49348, 49361..49594		

Seq. No.	42423	Seq. ID	OJ000223_12.0316.C1
Gene No.	88367	Strand	-
Start	56526	End	57006
Name	OJ000223_12.0316.C1.o7.gs	Method	GENSCAN
Start	56526	End	57006
GI	none	Score	.41
Exons	56526..56608, 56643..57006		

Seq. No.	42424	Seq. ID	OJ000223_12.0316.C2
Gene No.	88368	Strand	+

Start	805	End	1132
Name	OJ000223_12.0316.C2.o1.gs	Method	GENSCAN
Start	805	End	1132
GI	none	Score	.8
Exons	805..852, 1019..1132		

Seq. No.	42424	Seq. ID	OJ000223_12.0316.C2
Gene No.	88369	Strand	+
Start	3190	End	4498
Name	OJ000223_12.0316.C2.o1.np	Method	AAT/NAP
Start	3190	End	4498
GI	5777617	Score	72
Exons	3190..3213, 4396..4498		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	42424	Seq. ID	OJ000223_12.0316.C2
Gene No.	88370	Strand	-
Start	4149	End	4585
Name	OJ000223_12.0316.C2.o2.gs	Method	GENSCAN
Start	4149	End	4585
GI	none	Score	.56
Exons	4149..4253, 4493..4585		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88371	Strand	+
Start	280	End	1145
Name	OJ000223_12.0316.C3.o1.gs	Method	GENSCAN
Start	280	End	1145
GI	none	Score	.63
Exons	280..396, 990..1145		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88372	Strand	+
Start	5485	End	7778
Name	OJ000223_12.0316.C3.o3.gs	Method	GENSCAN
Start	5485	End	6709
GI	none	Score	.85
Exons	5485..5970, 6053..6709		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88372	Strand	+
Start	5485	End	7778
Name	OJ000223_12.0316.C3.o1.np	Method	AAT/NAP
Start	5863	End	7778
GI	6967112	Score	324
Exons	5863..5970, 6053..6555, 7733..7778		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88373	Strand	+
Start	13191	End	15494
Name	OJ000223_12.0316.C3.o3.np	Method	AAT/NAP
Start	13191	End	15494
GI	7486380	Score	169
Exons	13191..13244, 15170..15494		
GI Descrip.	hypothetical protein F3L17.110 - Arabidopsis thaliana gi|5262765|emb|CAB45913.1| (AL080283) putative protein		

[Arabidopsis thaliana] gi|7270057|emb|CAB79872.1| (AL161579) putative protein [Arabidopsis thaliana]

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88374	Strand	-
Start	1633	End	3883
Name	OJ000223_12.0316.C3.o2.gs	Method	GENSCAN
Start	1633	End	3883
GI	none	Score	.44
Exons	1633..1851, 1867..1982, 1990..2293, 2364..2589, 3399..3883		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88375	Strand	-
Start	7848	End	11399
Name	OJ000223_12.0316.C3.o2.np	Method	AAT/NAP
Start	7838	End	11399
GI	6522590	Score	1581
Exons	7838..7976, 8005..8230, 8537..10565, 10779..11399		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88375	Strand	-
Start	7848	End	11399
Name	OJ000223_12.0316.C3.o4.gs	Method	GENSCAN
Start	7848	End	11399
GI	none	Score	.57
Exons	7848..8230, 8537..8734, 8873..9437, 10284..11399		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88376	Strand	-
Start	15154	End	15507
Name	OJ000223_12.0316.C3.o1.tm	Method	TBLASTX:Maize
Start	5533	End	6257
GI	none	Score	294
Exons	5533..5919, 5605..5913, 5914..5970, 6043..6231, 6050..6247, 6081..6257		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88376	Strand	-
Start	15154	End	15507
Name	OJ000223_12.0316.C3.o3.ts	Method	TBLASTX:Soybean
Start	6050	End	6415
GI	none	Score	154
Exons	6050..6253, 6122..6223, 6227..6406, 6260..6415		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88376	Strand	-
Start	15154	End	15507
Name	OJ000223_12.0316.C3.o1.tw	Method	TBLASTX:Wheat
Start	6106	End	6511
GI	none	Score	387
Exons	6106..6327, 6107..6511, 6445..6483		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88376	Strand	-
Start	15154	End	15507
Name	OJ000223_12.0316.C3.o1.ts	Method	TBLASTX:Soybean

Start	8085	End	9119
GI	none	Score	71
Exons	8085..8231, 8098..8232, 8538..8564, 8583..8786, 8620..8775, 8805..9011, 8824..9015, 9030..9119, 9037..9069		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88376	Strand	-
Start	15154	End	15507
Name	OJ000223_12.0316.C3.o1.tc	Method	TBLASTX:Cress
Start	8133	End	11264
GI	none	Score	57
Exons	8133..8231, 8589..8771, 8907..9011, 9030..9143, 9336..9446, 9348..9722, 9393..9722, 9394..9480, 9396..9749, 9396..9722, 9396..9662, 9396..9665, 9396..9722, 9396..9722, 9397..9558, 9399..9722, 9399..9722, 9457..9630, 9468..9536, 9519..9740, 9609..9722, 9753..10025, 9765..10121, 9765..9917, 9765..9884, 9819..10097, 9819..10097, 9834..10088, 9834..9920, 9837..10097, 9888..10103, 9907..10062, 9981..10103, 10119..10148, 10221..10403, 10272..10403, 10272..10421, 10275..10403, 10275..10397, 10275..10448, 10278..10421, 10368..10550, 10371..11054, 10407..10559, 10407..10550, 10407..10565, 10410..10565, 10431..10562, 10560..11033, 10560..10892, 10563..11042, 10563..11171, 10563..11033, 10707..10754, 10777..11028, 10843..11034, 10992..11057, 11058..11183, 11073..11183, 11073..11174, 11073..11174, 11074..11154, 11136..11174, 11196..11231, 11214..11264		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88376	Strand	-
Start	15154	End	15507
Name	OJ000223_12.0316.C3.o2.tm	Method	TBLASTX:Maize
Start	8544	End	8984
GI	none	Score	106
Exons	8544..8786, 8632..8784, 8676..8786, 8811..8984, 8812..8967		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88376	Strand	-
Start	15154	End	15507
Name	OJ000223_12.0316.C3.o2.ts	Method	TBLASTX:Soybean
Start	9250	End	11195
GI	none	Score	59
Exons	9250..9303, 9318..9722, 9336..9725, 9346..9420, 9393..9659, 9394..9576, 9396..9725, 9396..9710, 9396..9722, 9396..9722, 9441..9722, 9525..9725, 9765..10001, 9772..10062, 9816..10031, 9819..10148, 9819..10097, 9822..10097, 9825..10097, 9834..10073, 9903..10097, 9975..10103, 10008..10097, 10272..10409, 10272..10352, 10275..10562, 10275..10394, 10275..10562, 10407..10556, 10407..10574, 10407..10520, 10410..10532, 10413..10565, 10422..10607, 10549..10674, 10557..10874, 10560..11051, 10561..10731, 10563..10934, 10563..10835, 10584..10934, 10689..11042, 10695..10934, 10737..10856, 10906..11034, 11061..11174, 11067..11183, 11070..11153, 11073..11195, 11073..11150		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88376	Strand	-
Start	15154	End	15507

Name	OJ000223_12.0316.C3.o3.tm	Method	TBLASTX:Maize
Start	9367	End	11174
GI	none	Score	63
Exons	9367..9480, 9393..9722, 9396..9722, 9396..9596, 9396..9722, 9396..9749, 9399..9722, 9486..9722, 9601..9708, 9666..9719, 9726..10088, 9753..10025, 9816..10121, 9819..10097, 9819..10097, 9855..10103, 10407..10565, 10407..10550, 10410..10550, 10512..10562, 10560..10892, 10563..11096, 10566..11042, 10621..11010, 10725..11042, 11067..11174, 11073..11174		

Seq. No.	42425	Seq. ID	OJ000223_12.0316.C3
Gene No.	88376	Strand	-
Start	15154	End	15507
Name	OJ000223_12.0316.C3.o5.gs	Method	GENSCAN
Start	15154	End	15507
GI	none	Score	.83
Exons	15154..15507		

Seq. No.	42426	Seq. ID	OJ000223_12.0316.C4
Gene No.	88377	Strand	-
Start	687	End	1857
Name	OJ000223_12.0316.C4.o1.gs	Method	GENSCAN
Start	687	End	1857
GI	none	Score	.68
Exons	687..855, 879..1023, 1736..1857		

Seq. No.	42427	Seq. ID	OJ000303_17.0330.C1
Gene No.	88378	Strand	+
Start	1	End	6486
Name	OJ000303_17.0330.C1.o1.np	Method	AAT/NAP
Start	1	End	6486
GI	6635236	Score	943
Exons	1..223, 2465..2683, 3185..3556, 3709..5076, 6459..6486		
GI Descrip.	(AB029327) elicitor-inducible receptor-like protein EIR [Nicotiana tabacum]		

Seq. No.	42427	Seq. ID	OJ000303_17.0330.C1
Gene No.	88378	Strand	+
Start	1	End	6486
Name	OJ000303_17.0330.C1.o1.gs	Method	GENSCAN
Start	780	End	1339
GI	none	Score	.46
Exons	780..997, 1060..1339		

Seq. No.	42427	Seq. ID	OJ000303_17.0330.C1
Gene No.	88379	Strand	-
Start	280	End	600
Name	OJ000303_17.0330.C1.o1.gp	Method	AAT/GAP
Start	280	End	600
GI	none	Score	638
Exons	280..600		

Seq. No.	42427	Seq. ID	OJ000303_17.0330.C1
Gene No.	88380	Strand	-
Start	6069	End	6521
Name	OJ000303_17.0330.C1.o1.ts	Method	TBLASTX:Soybean
Start	44	End	5042

GI	none	Score	101
Exons	44..208, 45..194, 45..167, 45..203, 293..325, 3122..3415, 3149..3487, 3287..3559, 3365..3559, 3400..3552, 3440..3625, 3634..3699, 3661..3801, 3712..3798, 3808..3933, 3892..3939, 3970..4143, 4000..4143, 4021..4152, 4153..4281, 4159..4413, 4159..4293, 4162..4434, 4168..4425, 4180..4425, 4239..4424, 4288..4374, 4462..4545, 4474..4602, 4611..5042, 4612..5040, 4669..4785, 4681..4878, 4681..4740, 4687..4950, 4704..4958, 4705..4956, 4705..4959, 4762..4878, 4816..4881		

Seq. No.	42427	Seq. ID	OJ000303_17.0330.C1
Gene No.	88380	Strand	-
Start	6069	End	6521
Name	OJ000303_17.0330.C1.o1.tc	Method	TBLASTX:Cress
Start	45	End	4968
GI	none	Score	99
Exons	45..194, 45..173, 45..110, 93..203, 105..203, 200..238, 3002..3109, 3706..3933, 3712..3786, 3748..3843, 3820..3933, 3961..4299, 4048..4158, 4087..4152, 4165..4443, 4465..4551, 4672..4824, 4681..4809, 4699..4953, 4699..4881, 4701..4952, 4756..4959, 4807..4959, 4825..4968		

Seq. No.	42427	Seq. ID	OJ000303_17.0330.C1
Gene No.	88380	Strand	-
Start	6069	End	6521
Name	OJ000303_17.0330.C1.o1.tw	Method	TBLASTX:Wheat
Start	45	End	5031
GI	none	Score	82
Exons	45..167, 48..197, 3961..4152, 4642..5001, 4984..5031		

Seq. No.	42427	Seq. ID	OJ000303_17.0330.C1
Gene No.	88380	Strand	-
Start	6069	End	6521
Name	OJ000303_17.0330.C1.o1.tm	Method	TBLASTX:Maize
Start	111	End	4953
GI	none	Score	59
Exons	111..203, 197..238, 3149..3442, 3164..3283, 3212..3349, 3290..3427, 3706..3789, 3972..4070, 3973..4458, 3991..4461, 4049..4462, 4450..4524, 4453..4518, 4852..4953		

Seq. No.	42427	Seq. ID	OJ000303_17.0330.C1
Gene No.	88380	Strand	-
Start	6069	End	6521
Name	OJ000303_17.0330.C1.o2.tc	Method	TBLASTX:Cress
Start	2435	End	3568
GI	none	Score	41
Exons	2435..2593, 2573..2674, 3113..3568, 3131..3346, 3134..3559, 3146..3559, 3146..3559, 3149..3439, 3152..3508, 3164..3436, 3193..3357, 3194..3490, 3260..3559, 3290..3478, 3385..3492		

Seq. No.	42427	Seq. ID	OJ000303_17.0330.C1
Gene No.	88380	Strand	-
Start	6069	End	6521
Name	OJ000303_17.0330.C1.o3.gs	Method	GENSCAN
Start	6069	End	6521
GI	none	Score	.46
Exons	6069..6157, 6482..6521		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88381	Strand	+
Start	1275	End	23196
Name	OJ000303_17.0330.C2.o1.gs	Method	GENSCAN
Start	1275	End	7102
GI	none	Score	.41
Exons	1275..1455, 1465..1669, 1799..1914, 2990..3176, 3544..3676, 3998..4130, 5122..5146, 5568..5711, 7028..7102		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88381	Strand	+
Start	1275	End	23196
Name	OJ000303_17.0330.C2.o2.np	Method	AAT/NAP
Start	6587	End	23196
GI	7489083	Score	1347
Exons	6587..6642, 7928..8100, 8179..8334, 8503..8596, 8966..9204, 10162..10560, 10858..11101, 18845..19543, 19979..21037, 23147..23196		
GI Descrip.	disease resistance protein Cf-2.1 - currant tomato gi|1184075|gb|AAC15779.1| (U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi|1587673|prf||2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88381	Strand	+
Start	1275	End	23196
Name	OJ000303_17.0330.C2.o2.gs	Method	GENSCAN
Start	7815	End	9191
GI	none	Score	.98
Exons	7815..9191		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88381	Strand	+
Start	1275	End	23196
Name	OJ000303_17.0330.C2.o1.gp	Method	AAT/GAP
Start	10813	End	11399
GI	LIB3432-052-P1-K1-E4	Score	1055
Exons	10813..11399		
GI Descrip.	'4432871/gb|AAD20719| 3.0e-20 (AC006300) putative disease resistance protein [Arabidopsis thaliana]'		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88381	Strand	+
Start	1275	End	23196
Name	OJ000303_17.0330.C2.o4.gs	Method	GENSCAN
Start	14134	End	15000
GI	none	Score	.6
Exons	14134..14185, 14479..14759, 14851..15000		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88381	Strand	+
Start	1275	End	23196
Name	OJ000303_17.0330.C2.o5.gs	Method	GENSCAN
Start	18171	End	19211
GI	none	Score	.92
Exons	18171..19211		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88381	Strand	+
Start	1275	End	23196
Name	OJ000303_17.0330.C2.o6.gs	Method	GENSCAN
Start	20204	End	21160
GI	none	Score	.79
Exons	20204..21160		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88382	Strand	+
Start	24708	End	25172
Name	OJ000303_17.0330.C2.o8.gs	Method	GENSCAN
Start	24708	End	25172
GI	none	Score	.48
Exons	24708..25172		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88383	Strand	+
Start	28114	End	29075
Name	OJ000303_17.0330.C2.o10.gs	Method	GENSCAN
Start	28114	End	29075
GI	none	Score	.82
Exons	28114..28174, 28323..28503, 28529..29075		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88384	Strand	+
Start	57802	End	62094
Name	OJ000303_17.0330.C2.o21.gs	Method	GENSCAN
Start	57802	End	61914
GI	none	Score	.92
Exons	57802..57927, 57932..58202, 58875..59598, 59646..59718, 60474..60624, 61796..61914		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88384	Strand	+
Start	57802	End	62094
Name	OJ000303_17.0330.C2.o5.gp	Method	AAT/GAP
Start	59110	End	59371
GI	2310809	Score	500
Exons	59110..59371		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88384	Strand	+
Start	57802	End	62094
Name	OJ000303_17.0330.C2.o6.gp	Method	AAT/GAP
Start	60543	End	62094
GI	2798227	Score	787
Exons	60543..60624, 60710..60788, 61796..62094		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88385	Strand	-
Start	1628	End	3314
Name	OJ000303_17.0330.C2.o1.np	Method	AAT/NAP
Start	1628	End	3314
GI	6721516	Score	594
Exons	1628..1729, 1820..1892, 2330..2669, 3080..3314		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88386	Strand	-
Start	10434	End	13244
Name	OJ000303_17.0330.C2.o3.gs	Method	GENSCAN
Start	10434	End	13205
GI	none	Score	.47
Exons	10434..10535, 10817..10863, 11080..11291, 12663..12812, 12862..12963, 13081..13205		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88386	Strand	-
Start	10434	End	13244
Name	OJ000303_17.0330.C2.o2.gp	Method	AAT/GAP
Start	12911	End	13244
GI	2427798	Score	660
Exons	12911..13244		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88387	Strand	-
Start	17974	End	18363
Name	OJ000303_17.0330.C2.o3.gp	Method	AAT/GAP
Start	17974	End	18363
GI	84553_1.R1084	Score	658
Exons	17974..18363		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88388	Strand	-
Start	22687	End	25033
Name	OJ000303_17.0330.C2.o3.np	Method	AAT/NAP
Start	22687	End	25033
GI	5734765	Score	62
Exons	22687..22712, 24923..25033		
GI Descrip.	(AC007651) Very similar to amino acid transporter [Arabidopsis thaliana]		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88389	Strand	-
Start	25782	End	26516
Name	OJ000303_17.0330.C2.o9.gs	Method	GENSCAN
Start	25782	End	26516
GI	none	Score	.75
Exons	25782..26516		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88390	Strand	-
Start	29599	End	30187
Name	OJ000303_17.0330.C2.o11.gs	Method	GENSCAN
Start	29599	End	30187
GI	none	Score	.68
Exons	29599..30004, 30069..30187		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88391	Strand	-

Start	32825	End	35985
Name	OJ000303_17.0330.C2.o5.np	Method	AAT/NAP
Start	32199	End	35908
GI	7449055	Score	61
Exons	32199..32225, 34405..34544, 35822..35908		
GI Descrip.	probable amino acid transport protein F19I3.19 - Arabidopsis thaliana gi|3033391|gb|AAC12835.1| (AC004238) putative amino acid transporter [Arabidopsis thaliana]		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88391	Strand	-
Start	32825	End	35985
Name	OJ000303_17.0330.C2.o12.gs	Method	GENSCAN
Start	32825	End	33385
GI	none	Score	1
Exons	32825..33385		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88391	Strand	-
Start	32825	End	35985
Name	OJ000303_17.0330.C2.o13.gs	Method	GENSCAN
Start	33829	End	35066
GI	none	Score	.64
Exons	33829..33881, 34248..34578, 35040..35066		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88391	Strand	-
Start	32825	End	35985
Name	OJ000303_17.0330.C2.o14.gs	Method	GENSCAN
Start	35417	End	35985
GI	none	Score	.65
Exons	35417..35790, 35835..35985		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88392	Strand	-
Start	37630	End	39066
Name	OJ000303_17.0330.C2.o15.gs	Method	GENSCAN
Start	37630	End	39066
GI	none	Score	.6
Exons	37630..37661, 38583..39066		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88392	Strand	-
Start	37630	End	39066
Name	OJ000303_17.0330.C2.o6.np	Method	AAT/NAP
Start	38507	End	39055
GI	1707022	Score	91
Exons	38507..39055		
GI Descrip.	(U78721) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88393	Strand	-
Start	41293	End	41868
Name	OJ000303_17.0330.C2.o16.gs	Method	GENSCAN
Start	41293	End	41868
GI	none	Score	.99
Exons	41293..41868		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88393	Strand	-
Start	41293	End	41868
Name	OJ000303_17.0330.C2.o7.np	Method	AAT/NAP
Start	41305	End	41861
GI	7487528	Score	119
Exons	41305..41861		
GI Descrip.	hypothetical protein T29F13.9 - Arabidopsis thaliana gi|3132475|gb|AAC16264.1| (AC003096) putative proline-rich glycoprotein [Arabidopsis thaliana]		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88394	Strand	-
Start	42827	End	48177
Name	OJ000303_17.0330.C2.o17.gs	Method	GENSCAN
Start	42827	End	48177
GI	none	Score	.89
Exons	42827..42934, 43448..43550, 46531..46683, 47134..47194, 47733..48177		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88395	Strand	-
Start	49973	End	50536
Name	OJ000303_17.0330.C2.o18.gs	Method	GENSCAN
Start	49973	End	50536
GI	none	Score	1
Exons	49973..50536		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88396	Strand	-
Start	52525	End	53082
Name	OJ000303_17.0330.C2.o19.gs	Method	GENSCAN
Start	52525	End	53082
GI	none	Score	1
Exons	52525..53082		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88397	Strand	-
Start	55422	End	56006
Name	OJ000303_17.0330.C2.o20.gs	Method	GENSCAN
Start	55422	End	56006
GI	none	Score	1
Exons	55422..56006		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88398	Strand	-
Start	62954	End	66902
Name	OJ000303_17.0330.C2.o22.gs	Method	GENSCAN
Start	62954	End	66902
GI	none	Score	.68
Exons	62954..63098, 63757..64125, 64419..64669, 64801..64890, 65042..65140, 65221..65334, 65431..65536, 65642..65721, 65894..66154, 66252..66443, 66615..66902		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88398	Strand	-

Start	62954	End	66902
Name	OJ000303_17.0330.C2.o8.np	Method	AAT/NAP
Start	63936	End	66881
GI	6682628	Score	1361
Exons	63936..64125, 64419..64669, 64801..64890, 65042..65140, 65221..65334, 65431..65536, 65642..65721, 65933..66154, 66252..66488, 66615..66881		
GI Descrip.	(AC016163) putative ATP-dependent RNA helicase [Arabidopsis thaliana]		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88399	Strand	-
Start	67031	End	67227
Name	OJ000303_17.0330.C2.o7.gp	Method	AAT/GAP
Start	67031	End	67227
GI	24989_1.R1084	Score	306
Exons	67031..67227		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o1.ts	Method	TBLASTX:Soybean
Start	8060	End	21021
GI	none	Score	34
Exons	8060..8080, 8211..8333, 8547..8717, 8574..8717, 8763..8855, 9456..9593, 9561..9683, 9564..9677, 9621..9662, 9786..9923, 9996..10094, 10098..10358, 10155..10565, 10161..10421, 10233..10481, 10248..10496, 10383..10565, 10446..10559, 10746..11009, 10782..11012, 10802..11170, 10824..11012, 10836..11009, 11070..11243, 18756..19040, 18849..19031, 18921..19091, 19166..19396, 19268..19540, 19346..19540, 19556..19606, 19643..19783, 19871..19975, 19934..20122, 19949..20122, 20018..20158, 20138..20458, 20147..20404, 20159..20404, 20237..20443, 20261..20353, 20441..20548, 20453..20581, 20630..21019, 20660..20764, 20660..20857, 20660..20719, 20666..20929, 20684..20935, 20684..20938, 20741..20857, 20743..21021, 20795..20860		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o2.tw	Method	TBLASTX:Wheat
Start	9576	End	21007
GI	none	Score	65
Exons	9576..9674, 9576..9683, 10194..10496, 10377..10565, 10605..10658, 10752..11081, 10895..11143, 10931..11092, 18555..18647, 18849..19040, 18909..19091, 19160..19270, 19271..19540, 20150..20269, 20627..20980, 20963..21007		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o1.tm	Method	TBLASTX:Maize
Start	9948	End	20938
GI	none	Score	59

Exons	9948..10061, 10110..10304, 10173..10304, 10289..10558, 10302..10655, 10395..10496, 10839..11009, 18912..19058, 19160..19423, 19160..19330, 19271..19408, 19951..20415, 19952..20431, 20027..20440, 20028..20432, 20432..20497, 20440..20496, 20666..20725, 20795..20938, 20831..20932		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o2.tc	Method	TBLASTX:Cress
Start	10380	End	20806
GI	none	Score	77
Exons	10380..10514, 10401..10565, 10811..10936, 19361..19492, 20222..20341, 20243..20410, 20245..20406, 20411..20539, 20630..20806, 20677..20787		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o6.tm	Method	TBLASTX:Maize
Start	58946	End	59402
GI	none	Score	50
Exons	58946..58978, 59027..59065, 59120..59245, 59180..59266, 59231..59332, 59231..59401, 59280..59402		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o4.tm	Method	TBLASTX:Maize
Start	59562	End	60580
GI	none	Score	134
Exons	59562..59720, 59565..59720, 59572..59721, 60471..60578, 60471..60578, 60473..60580, 60482..60580		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o4.ts	Method	TBLASTX:Soybean
Start	59568	End	60774
GI	none	Score	217
Exons	59568..59720, 59575..59721, 60471..60626, 60482..60589, 60709..60774, 60710..60772		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o1.tw	Method	TBLASTX:Wheat
Start	59654	End	60789
GI	none	Score	84
Exons	59654..59719, 59655..59720, 59656..59721, 60471..60623, 60472..60627, 60472..60618, 60708..60755, 60709..60789, 60709..60786, 60710..60787		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o1.tc	Method	TBLASTX:Cress

Start	63873	End	65728
GI	none	Score	198
Exons	63873..63998, 64071..64136, 64418..64669, 64443..64661, 64804..64890, 65034..65141, 65042..65152, 65084..65143, 65221..65295, 65221..65328, 65243..65326, 65425..65457, 65431..65535, 65641..65727, 65642..65728		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o3.tm	Method	TBLASTX:Maize
Start	63876	End	64596
GI	none	Score	53
Exons	63876..63998, 63956..64027, 63971..64024, 64054..64131, 64065..64136, 64066..64134, 64418..64594, 64419..64595, 64420..64596		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o5.ts	Method	TBLASTX:Soybean
Start	64418	End	64672
GI	none	Score	221
Exons	64418..64672, 64419..64661, 64421..64672		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o2.tm	Method	TBLASTX:Maize
Start	65054	End	65520
GI	none	Score	116
Exons	65054..65143, 65054..65143, 65065..65148, 65221..65328, 65222..65329, 65222..65332, 65430..65480, 65431..65475, 65431..65493, 65432..65494, 65470..65520, 65487..65519, 65491..65520		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o5.tm	Method	TBLASTX:Maize
Start	65936	End	66157
GI	none	Score	73
Exons	65936..66157, 65970..66143		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o6.ts	Method	TBLASTX:Soybean
Start	65955	End	66157
GI	none	Score	213
Exons	65955..66155, 65963..66157, 65964..66155, 65972..66157		

Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o2.ts	Method	TBLASTX:Soybean
Start	66252	End	66855

GI	none	Score	136
Exons	66252..66491, 66253..66489, 66591..66851, 66673..66855		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o3.tc	Method	TBLASTX:Cress
Start	66264	End	66701
GI	none	Score	98
Exons	66264..66335, 66360..66491, 66376..66489, 66591..66632, 66627..66701		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o8.gp	Method	AAT/GAP
Start	67994	End	68940
GI	none	Score	1042
Exons	67994..68310, 68394..68461, 68550..68598, 68696..68778, 68880..68940		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o23.gs	Method	GENSCAN
Start	68218	End	69604
GI	none	Score	.74
Exons	68218..68310, 68394..68461, 68550..68598, 68696..68778, 68880..69003, 69369..69466, 69535..69604		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o3.ts	Method	TBLASTX:Soybean
Start	68537	End	70398
GI	none	Score	65
Exons	68537..68599, 68548..68601, 68662..68778, 68684..68803, 68696..68794, 68875..69003, 68882..69004, 69363..69467, 69364..69468, 69366..69482, 69531..69623, 69533..69625, 69680..69763, 69691..69765, 69849..69932, 70047..70103, 70143..70220, 70183..70233, 70339..70398, 70340..70396		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-
Start	68218	End	71641
Name	OJ000303_17.0330.C2.o9.np	Method	AAT/NAP
Start	68681	End	71641
GI	7487482	Score	529
Exons	68681..68811, 68880..69002, 69365..69466, 69535..69617, 69692..69762, 69852..69933, 70138..70217, 70345..70438, 71610..71641		
GI Descrip.	hypothetical protein T27E13.9 - Arabidopsis thaliana gi|3150403|gb|AAC16955.1| (AC004165) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	42428	Seq. ID	OJ000303_17.0330.C2
Gene No.	88400	Strand	-

Start	68218	End	71641
Name	OJ000303_17.0330.C2.o9.gp	Method	AAT/GAP
Start	69868	End	70887
GI	LIB3474-005-P1-K1-D1	Score	449
Exons	69868..69933, 70138..70217, 70345..70396, 70823..70887		
GI Descrip.	'3150403 1.0e-09 (AC004165) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42429	Seq. ID	OJ000303_17.0330.C3
Gene No.	88401	Strand	+
Start	259	End	5306
Name	OJ000303_17.0330.C3.o1.gs	Method	GENSCAN
Start	259	End	5306
GI	none	Score	.81
Exons	259..401, 1085..1253, 1636..1682, 2245..2373, 3175..3259, 3689..3769, 5205..5306		

Seq. No.	42429	Seq. ID	OJ000303_17.0330.C3
Gene No.	88401	Strand	+
Start	259	End	5306
Name	OJ000303_17.0330.C3.o1.gp	Method	AAT/GAP
Start	3679	End	4434
GI	2796811	Score	307
Exons	3679..3769, 4306..4434		

Seq. No.	42429	Seq. ID	OJ000303_17.0330.C3
Gene No.	88402	Strand	-
Start	6422	End	9685
Name	OJ000303_17.0330.C3.o1.tm	Method	TBLASTX:Maize
Start	208	End	1253
GI	none	Score	240
Exons	208..402, 240..404, 244..402, 246..404, 930..1025, 932..1027, 934..1026, 934..1038, 1165..1233, 1168..1248, 1169..1249, 1170..1253		

Seq. No.	42429	Seq. ID	OJ000303_17.0330.C3
Gene No.	88402	Strand	-
Start	6422	End	9685
Name	OJ000303_17.0330.C3.o2.tm	Method	TBLASTX:Maize
Start	1599	End	3772
GI	none	Score	82
Exons	1599..1685, 1606..1686, 1630..1683, 1635..1685, 2190..2369, 2239..2373, 2240..2374, 2245..2394, 3121..3264, 3176..3262, 3638..3772, 3686..3772		

Seq. No.	42429	Seq. ID	OJ000303_17.0330.C3
Gene No.	88402	Strand	-
Start	6422	End	9685
Name	OJ000303_17.0330.C3.o2.gs	Method	GENSCAN
Start	6422	End	9685
GI	none	Score	.86
Exons	6422..6601, 6764..6931, 7168..7381, 7464..7526, 7601..7743, 8012..8194, 8271..8454, 8960..9031, 9101..9212, 9303..9378, 9604..9685		

Seq. No.	42429	Seq. ID	OJ000303_17.0330.C3
Gene No.	88402	Strand	-

Start	6422	End	9685
Name	OJ000303_17.0330.C3.o2.gp	Method	AAT/GAP
Start	6459	End	7297
GI	LIB3431-006-P1-K1-H11	Score	726
Exons	6459..6490, 6598..6684, 6764..6931, 7168..7297		
GI Descrip.	'225174/prf||1210248A 2.0e-11 glutelin precursor [Oryza sativa]'		

Seq. No.	42429	Seq. ID	OJ000303_17.0330.C3
Gene No.	88402	Strand	-
Start	6422	End	9685
Name	OJ000303_17.0330.C3.o1.np	Method	AAT/NAP
Start	6622	End	9685
GI	7327822	Score	717
Exons	6622..6675, 6750..6931, 7168..7381, 7464..7526, 7601..7743, 8012..8194, 8271..8444, 9076..9212, 9303..9384, 9475..9550, 9599..9685		
GI Descrip.	(AL161946) putative protein [Arabidopsis thaliana]		

Seq. No.	42430	Seq. ID	OJ000303_16.0331.C1
Gene No.	88403	Strand	+
Start	207	End	438
Name	OJ000303_16.0331.C1.o1.gs	Method	GENSCAN
Start	207	End	438
GI	none	Score	.41
Exons	207..438		

Seq. No.	42431	Seq. ID	OJ000303_16.0331.C2
Gene No.	88404	Strand	+
Start	1	End	1992
Name	OJ000303_16.0331.C2.o1.np	Method	AAT/NAP
Start	1	End	1381
GI	6742729	Score	974
Exons	1..177, 226..1381		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	42431	Seq. ID	OJ000303_16.0331.C2
Gene No.	88404	Strand	+
Start	1	End	1992
Name	OJ000303_16.0331.C2.o1.gs	Method	GENSCAN
Start	42	End	1808
GI	none	Score	.8
Exons	42..1808		

Seq. No.	42431	Seq. ID	OJ000303_16.0331.C2
Gene No.	88404	Strand	+
Start	1	End	1992
Name	OJ000303_16.0331.C2.o2.tw	Method	TBLASTX:Wheat
Start	212	End	545
GI	none	Score	65
Exons	212..328, 222..425, 224..424, 461..544, 462..545		

Seq. No.	42431	Seq. ID	OJ000303_16.0331.C2
Gene No.	88404	Strand	+
Start	1	End	1992
Name	OJ000303_16.0331.C2.o2.tm	Method	TBLASTX:Maize
Start	228	End	416
GI	none	Score	162

Exons	228..347, 230..337, 354..416		
Seq. No.	42431	Seq. ID	OJ000303_16.0331.C2
Gene No.	88404	Strand	+
Start	1	End	1992
Name	OJ000303_16.0331.C2.o1.tm	Method	TBLASTX:Maize
Start	453	End	938
GI	none	Score	294
Exons	453..938, 470..646, 782..931		
Seq. No.	42431	Seq. ID	OJ000303_16.0331.C2
Gene No.	88404	Strand	+
Start	1	End	1992
Name	OJ000303_16.0331.C2.o1.gp	Method	AAT/GAP
Start	534	End	1992
GI	5002953	Score	1280
Exons	534..665, 924..1333, 1811..1992		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	42431	Seq. ID	OJ000303_16.0331.C2
Gene No.	88404	Strand	+
Start	1	End	1992
Name	OJ000303_16.0331.C2.o1.tw	Method	TBLASTX:Wheat
Start	549	End	1736
GI	none	Score	492
Exons	549..1091, 593..1039, 1110..1271, 1127..1267, 1275..1466, 1310..1450, 1455..1502, 1506..1547, 1509..1547, 1571..1648, 1572..1676, 1677..1736		
Seq. No.	42431	Seq. ID	OJ000303_16.0331.C2
Gene No.	88404	Strand	+
Start	1	End	1992
Name	OJ000303_16.0331.C2.o1.tc	Method	TBLASTX:Cress
Start	836	End	1262
GI	none	Score	209
Exons	836..1039, 840..1091, 1110..1262, 1127..1249		
Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88405	Strand	+
Start	78	End	558
Name	OJ000303_16.0331.C3.o1.gs	Method	GENSCAN
Start	78	End	553
GI	none	Score	.61
Exons	78..120, 163..553		
Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88405	Strand	+
Start	78	End	558
Name	OJ000303_16.0331.C3.o1.np	Method	AAT/NAP
Start	187	End	558
GI	728868	Score	211
Exons	187..558		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica napus]		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88406	Strand	+
Start	2414	End	13396
Name	OJ000303_16.0331.C3.o2.gs	Method	GENSCAN
Start	2414	End	13396
GI	none	Score	.78
Exons	2414..2543, 2728..3365, 3444..4819, 4902..5054, 5152..5410, 5849..5887, 6557..6704, 7405..7484, 8442..8571, 9394..9611, 9832..11014, 11149..11391, 11880..12452, 12552..12656, 12726..13396		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88406	Strand	+
Start	2414	End	13396
Name	OJ000303_16.0331.C3.o1.gp	Method	AAT/GAP
Start	5228	End	5748
GI	LIB3431-001-P1-N1-B5	Score	766
Exons	5228..5410, 5516..5748		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88406	Strand	+
Start	2414	End	13396
Name	OJ000303_16.0331.C3.o2.np	Method	AAT/NAP
Start	7386	End	8361
GI	7523486	Score	164
Exons	7386..7484, 7524..7690, 8248..8361		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88407	Strand	+
Start	22605	End	22707
Name	OJ000303_16.0331.C3.o3.gp	Method	AAT/GAP
Start	22605	End	22707
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	22605..22707		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88408	Strand	+
Start	25098	End	31396
Name	OJ000303_16.0331.C3.o5.gs	Method	GENSCAN
Start	25098	End	31396
GI	none	Score	.73
Exons	25098..25118, 25799..25911, 26802..26913, 27276..27394, 28087..28271, 28540..28716, 30704..30868, 31147..31263, 31308..31396		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88409	Strand	-
Start	15117	End	18790
Name	OJ000303_16.0331.C3.o2.gp	Method	AAT/GAP
Start	14959	End	15210

GI	5004669	Score	478
Exons	14959..15210		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88409	Strand	-
Start	15117	End	18790
Name	OJ000303_16.0331.C3.o3.gs	Method	GENSCAN
Start	15117	End	18790
GI	none	Score	.72
Exons	15117..15883, 15985..16063, 16285..16482, 18716..18790		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88409	Strand	-
Start	15117	End	18790
Name	OJ000303_16.0331.C3.o3.np	Method	AAT/NAP
Start	17564	End	18654
GI	7523486	Score	142
Exons	17564..17599, 18352..18517, 18557..18654		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88410	Strand	-
Start	21043	End	22521
Name	OJ000303_16.0331.C3.o4.np	Method	AAT/NAP
Start	21043	End	22521
GI	6498430	Score	72
Exons	21043..21084, 21111..21242, 22476..22521		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o6.gs	Method	GENSCAN
Start	32184	End	36569
GI	none	Score	.48
Exons	32184..32242, 33188..33423, 33618..33762, 34283..34365, 34560..35186, 35508..36569		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o5.np	Method	AAT/NAP
Start	34559	End	36676
GI	6539553	Score	3609
Exons	34559..36676		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o2.tw	Method	TBLASTX:Wheat
Start	34695	End	35171
GI	none	Score	356
Exons	34695..35081, 34733..35080, 34774..35082, 35096..35170,		

35100..35171

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o3.ts	Method	TBLASTX:Soybean
Start	34823	End	35164
GI	none	Score	79
Exons	34823..35032, 34902..35027, 35051..35164, 35058..35138		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o2.tm	Method	TBLASTX:Maize
Start	35027	End	35364
GI	none	Score	142
Exons	35027..35209, 35028..35210, 35206..35349, 35209..35364		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o2.ts	Method	TBLASTX:Soybean
Start	35215	End	35522
GI	none	Score	74
Exons	35215..35481, 35321..35464, 35471..35521, 35481..35522		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o3.tw	Method	TBLASTX:Wheat
Start	35468	End	35920
GI	none	Score	90
Exons	35468..35581, 35576..35920, 35600..35773		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o1.tm	Method	TBLASTX:Maize
Start	35474	End	35921
GI	none	Score	61
Exons	35474..35920, 35559..35669, 35603..35785, 35739..35921		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o1.ts	Method	TBLASTX:Soybean
Start	35591	End	36055
GI	5509260	Score	60
Exons	35591..36055, 35598..35669, 35742..35837		
GI Descrip.	-		

Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o1.tc	Method	TBLASTX:Cress
Start	35702	End	35962
GI	none	Score	282

Exons	35702..35962		
Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o1.tw	Method	TBLASTX:Wheat
Start	35975	End	36676
GI	none	Score	200
Exons	35975..36214, 35976..36134, 35992..36222, 35995..36192, 36243..36674, 36266..36676		
Seq. No.	42432	Seq. ID	OJ000303_16.0331.C3
Gene No.	88411	Strand	-
Start	32184	End	36676
Name	OJ000303_16.0331.C3.o4.ts	Method	TBLASTX:Soybean
Start	36380	End	36676
GI	none	Score	102
Exons	36380..36553, 36554..36676		
Seq. No.	42433	Seq. ID	OJ000303_16.0331.C4
Gene No.	88412	Strand	+
Start	435	End	1792
Name	OJ000303_16.0331.C4.o1.gs	Method	GENSCAN
Start	435	End	1768
GI	none	Score	.62
Exons	435..501, 877..1137, 1162..1326, 1498..1522, 1548..1768		
Seq. No.	42433	Seq. ID	OJ000303_16.0331.C4
Gene No.	88412	Strand	+
Start	435	End	1792
Name	OJ000303_16.0331.C4.o1.np	Method	AAT/NAP
Start	809	End	1792
GI	6069646	Score	323
Exons	809..1792		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	42433	Seq. ID	OJ000303_16.0331.C4
Gene No.	88413	Strand	-
Start	8185	End	10932
Name	OJ000303_16.0331.C4.o3.gs	Method	GENSCAN
Start	8185	End	10209
GI	none	Score	.71
Exons	8185..8397, 8697..8833, 8977..9310, 9418..9504, 9605..9939, 10107..10209		
Seq. No.	42433	Seq. ID	OJ000303_16.0331.C4
Gene No.	88413	Strand	-
Start	8185	End	10932
Name	OJ000303_16.0331.C4.o2.np	Method	AAT/NAP
Start	8192	End	10932
GI	3915635	Score	159
Exons	8192..8397, 8697..8828, 9005..9307, 9418..9504, 9605..9644, 10892..10932		

GI Descrip. CYCLIN DELTA-1 gi|2995130|emb|CAA58285| (X83369) cyclin delta-1 [Arabidopsis thaliana]

Seq. No.	42433	Seq. ID	OJ000303_16.0331.C4
Gene No.	88414	Strand	-
Start	10833	End	13644
Name	OJ000303_16.0331.C4.o2.tm	Method	TBLASTX:Maize
Start	1312	End	1587
GI	none	Score	140
Exons	1312..1401, 1317..1400, 1442..1585, 1483..1587		

Seq. No.	42433	Seq. ID	OJ000303_16.0331.C4
Gene No.	88414	Strand	-
Start	10833	End	13644
Name	OJ000303_16.0331.C4.o1.tm	Method	TBLASTX:Maize
Start	8368	End	9229
GI	none	Score	176
Exons	8368..8412, 8695..8835, 8697..8825, 8697..8855, 8978..9019, 8979..9011, 9080..9202, 9087..9203, 9200..9229		

Seq. No.	42433	Seq. ID	OJ000303_16.0331.C4
Gene No.	88414	Strand	-
Start	10833	End	13644
Name	OJ000303_16.0331.C4.o1.tc	Method	TBLASTX:Cress
Start	9080	End	9522
GI	none	Score	74
Exons	9080..9208, 9200..9307, 9421..9522		

Seq. No.	42433	Seq. ID	OJ000303_16.0331.C4
Gene No.	88414	Strand	-
Start	10833	End	13644
Name	OJ000303_16.0331.C4.o4.gs	Method	GENSCAN
Start	10833	End	13644
GI	none	Score	.5
Exons	10833..11176, 12927..12992, 13617..13644		

Seq. No.	42434	Seq. ID	OJ000303_16.0331.C5
Gene No.	88415	Strand	+
Start	1	End	660
Name	OJ000303_16.0331.C5.o1.gs	Method	GENSCAN
Start	1	End	660
GI	none	Score	.62
Exons	1..67, 545..660		

Seq. No.	42434	Seq. ID	OJ000303_16.0331.C5
Gene No.	88416	Strand	-
Start	300	End	698
Name	OJ000303_16.0331.C5.o1.np	Method	AAT/NAP
Start	300	End	698
GI	7523486	Score	83
Exons	300..561, 601..698		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42435	Seq. ID	OJ000303_16.0331.C6
Gene No.	88417	Strand	+
Start	1829	End	14791
Name	OJ000303_16.0331.C6.o1.np	Method	AAT/NAP

Start	1829	End	6540
GI	544426	Score	64
Exons	1829..1869, 2267..2424, 6515..6540		
GI Descrip.	GLYCINE-RICH RNA-BINDING PROTEIN gi|100155|pir||S14857 glycine-rich protein - carrot gi|18347|emb|CAA41152.1| (X58146) glycine-rich protein [Daucus carota] gi|445138|prf||1908438A Gly-rich protein [Daucus carota]		

Seq. No.	42435	Seq. ID	OJ000303_16.0331.C6
Gene No.	88417	Strand	+
Start	1829	End	14791
Name	OJ000303_16.0331.C6.o2.gs	Method	GENSCAN
Start	3883	End	14791
GI	none	Score	.44
Exons	3883..3968, 6772..6892, 7723..8174, 8289..8352, 8422..8799, 9150..9208, 9481..9796, 9884..10024, 10631..10755, 10867..10975, 11515..11645, 11829..11886, 11966..14050, 14345..14478, 14555..14607, 14668..14791		

Seq. No.	42435	Seq. ID	OJ000303_16.0331.C6
Gene No.	88417	Strand	+
Start	1829	End	14791
Name	OJ000303_16.0331.C6.o2.np	Method	AAT/NAP
Start	4946	End	10472
GI	6069646	Score	433
Exons	4946..5082, 8716..8877, 9482..10472		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42435	Seq. ID	OJ000303_16.0331.C6
Gene No.	88418	Strand	-
Start	378	End	2574
Name	OJ000303_16.0331.C6.o1.gs	Method	GENSCAN
Start	378	End	2574
GI	none	Score	.45
Exons	378..463, 1154..2574		

Seq. No.	42435	Seq. ID	OJ000303_16.0331.C6
Gene No.	88419	Strand	-
Start	9128	End	9210
Name	OJ000303_16.0331.C6.o1.gp	Method	AAT/GAP
Start	9128	End	9210
GI	LIB3479-006-Q6-K1-B11	Score	88
Exons	9128..9210		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	42435	Seq. ID	OJ000303_16.0331.C6
Gene No.	88420	Strand	
Start	9197	End	9583
Name	OJ000303_16.0331.C6.o3.tm	Method	TBLASTX:Maize
Start	9197	End	9583
GI	none	Score	296
Exons	9197..9583, 9322..9507		

Seq. No.	42435	Seq. ID	OJ000303_16.0331.C6
Gene No.	88421	Strand	
Start	9872	End	10441
Name	OJ000303_16.0331.C6.o2.tm	Method	TBLASTX:Maize
Start	9872	End	10441
GI	none	Score	86
Exons	9872..9964, 9991..10113, 9992..10228, 10247..10441		

Seq. No.	42435	Seq. ID	OJ000303_16.0331.C6
Gene No.	88422	Strand	
Start	10886	End	11382
Name	OJ000303_16.0331.C6.o1.tm	Method	TBLASTX:Maize
Start	10886	End	11382
GI	none	Score	154
Exons	10886..10975, 10886..10975, 11025..11189, 11055..11204, 11057..11203, 11288..11356, 11289..11357, 11289..11357, 11290..11382		

Seq. No.	42436	Seq. ID	OJ000303_16.0331.C8
Gene No.	88423	Strand	+
Start	609	End	1343
Name	OJ000303_16.0331.C8.o1.gs	Method	GENSCAN
Start	609	End	1343
GI	none	Score	.89
Exons	609..683, 1031..1343		

Seq. No.	42436	Seq. ID	OJ000303_16.0331.C8
Gene No.	88424	Strand	-
Start	6817	End	7002
Name	OJ000303_16.0331.C8.o3.gs	Method	GENSCAN
Start	6817	End	7002
GI	none	Score	.94
Exons	6817..7002		

Seq. No.	42437	Seq. ID	OJ000303_16.0331.C9
Gene No.	88425	Strand	+
Start	4620	End	6045
Name	OJ000303_16.0331.C9.o2.np	Method	AAT/NAP
Start	4620	End	6045
GI	5852084	Score	82
Exons	4620..4658, 5962..6045		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	42437	Seq. ID	OJ000303_16.0331.C9
Gene No.	88425	Strand	+
Start	4620	End	6045
Name	OJ000303_16.0331.C9.o1.np	Method	AAT/NAP
Start	5261	End	5360
GI	5852084	Score	71
Exons	5261..5360		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	42437	Seq. ID	OJ000303_16.0331.C9
Gene No.	88426	Strand	+
Start	9060	End	12493
Name	OJ000303_16.0331.C9.o3.np	Method	AAT/NAP

Start	9060	End	10736
GI	131136	Score	409
Exons	9060..9477, 10688..10736		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A1 gi|72671|pir||A1RZP7 photosystem I P700 apoprotein A1 - rice chloroplast gi|11982|emb|CAA33996| (X15901) PSI P700 apoprotein A1 [Oryza sativa] gi|226605|prf||1603356AB photosystem I P700 apoprotein A1 [Oryza sativa]		

Seq. No.	42437	Seq. ID	OJ000303_16.0331.C9
Gene No.	88426	Strand	+
Start	9060	End	12493
Name	OJ000303_16.0331.C9.o4.np	Method	AAT/NAP
Start	10299	End	12493
GI	4539658	Score	59
Exons	10299..10386, 12460..12493		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	42437	Seq. ID	OJ000303_16.0331.C9
Gene No.	88427	Strand	-
Start	4439	End	9833
Name	OJ000303_16.0331.C9.o2.gs	Method	GENSCAN
Start	4439	End	9833
GI	none	Score	.49
Exons	4439..4804, 8602..8834, 9700..9833		

Seq. No.	42438	Seq. ID	OJ000303_16.0331.C12
Gene No.	88428	Strand	+
Start	50	End	339
Name	OJ000303_16.0331.C12.o1.gs	Method	GENSCAN
Start	50	End	339
GI	none	Score	.9
Exons	50..114, 228..267, 307..339		

Seq. No.	42438	Seq. ID	OJ000303_16.0331.C12
Gene No.	88429	Strand	+
Start	6184	End	6780
Name	OJ000303_16.0331.C12.o3.gs	Method	GENSCAN
Start	6184	End	6780
GI	none	Score	.58
Exons	6184..6780		

Seq. No.	42438	Seq. ID	OJ000303_16.0331.C12
Gene No.	88430	Strand	-
Start	761	End	5955
Name	OJ000303_16.0331.C12.o2.gs	Method	GENSCAN
Start	761	End	5955
GI	none	Score	.5
Exons	761..798, 2006..2134, 3131..3245, 5758..5955		

Seq. No.	42438	Seq. ID	OJ000303_16.0331.C12
Gene No.	88431	Strand	-
Start	7793	End	8101
Name	OJ000303_16.0331.C12.o4.gs	Method	GENSCAN
Start	7793	End	8101
GI	none	Score	.99

Exons	7793..8101		

Seq. No.	42439	Seq. ID	OJ000303_16.0331.C14
Gene No.	88432	Strand	-
Start	1	End	1309
Name	OJ000303_16.0331.C14.o1.np	Method	AAT/NAP
Start	1	End	1309
GI	7340881	Score	608
Exons	1..23, 453..760, 816..907, 992..1115, 1223..1309		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	42439	Seq. ID	OJ000303_16.0331.C14
Gene No.	88432	Strand	-
Start	1	End	1309
Name	OJ000303_16.0331.C14.o1.gs	Method	GENSCAN
Start	113	End	1105
GI	none	Score	.61
Exons	113..184, 456..771, 816..907, 992..1105		

Seq. No.	42440	Seq. ID	OJ000113_18.0328.C1
Gene No.	88433	Strand	+
Start	2205	End	2301
Name	OJ000113_18.0328.C1.o1.gp	Method	AAT/GAP
Start	2205	End	2301
GI	none	Score	155
Exons	2205..2301		

Seq. No.	42440	Seq. ID	OJ000113_18.0328.C1
Gene No.	88434	Strand	-
Start	312	End	519
Name	OJ000113_18.0328.C1.o1.gs	Method	GENSCAN
Start	312	End	519
GI	none	Score	.67
Exons	312..519		

Seq. No.	42440	Seq. ID	OJ000113_18.0328.C1
Gene No.	88435	Strand	-
Start	1848	End	2301
Name	OJ000113_18.0328.C1.o1.np	Method	AAT/NAP
Start	1848	End	2301
GI	6815099	Score	91
Exons	1848..1971, 2270..2301		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88436	Strand	+
Start	8939	End	12672
Name	OJ000113_18.0328.C2.o4.gs	Method	GENSCAN
Start	8939	End	12461
GI	none	Score	.78
Exons	8939..9100, 9441..9489, 9840..9992, 10261..10397, 10483..10530, 10710..10835, 12315..12461		

Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88436	Strand	+
Start	8939	End	12672
Name	OJ000113_18.0328.C2.o1.np	Method	AAT/NAP

Start	8972	End	12483
GI	7469372	Score	311
Exons	8972..9100, 9441..9489, 9840..9992, 10261..10335, 10460..10552, 10741..10831, 10929..11084, 11445..11535, 11635..11720, 12005..12054, 12309..12483		
GI Descrip.	hypothetical protein - Synechocystis sp. (strain PCC 6803) gi|1001312|dbj|BAA10799.1| (D64006) hypothetical protein [Synechocystis sp.]		

Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88436	Strand	+
Start	8939	End	12672
Name	OJ000113_18.0328.C2.o3.gp	Method	AAT/GAP
Start	11942	End	12672
GI	none	Score	804
Exons	11942..12049, 12315..12672		

Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88437	Strand	+
Start	14430	End	16279
Name	OJ000113_18.0328.C2.o4.gp	Method	AAT/GAP
Start	14430	End	15989
GI	none	Score	738
Exons	14430..14735, 15896..15989		

Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88437	Strand	+
Start	14430	End	16279
Name	OJ000113_18.0328.C2.o2.np	Method	AAT/NAP
Start	14558	End	16279
GI	6714413	Score	288
Exons	14558..14735, 15896..16005, 16088..16279		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88438	Strand	-
Start	1	End	478
Name	OJ000113_18.0328.C2.o1.gp	Method	AAT/GAP
Start	1	End	478
GI	none	Score	644
Exons	1..264, 362..478		

Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88439	Strand	-
Start	963	End	4191
Name	OJ000113_18.0328.C2.o2.gs	Method	GENSCAN
Start	963	End	4191
GI	none	Score	.8
Exons	963..1043, 1220..1349, 2132..2262, 2354..2488, 2847..3043, 3516..3656, 3870..4191		

Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88439	Strand	-
Start	963	End	4191
Name	OJ000113_18.0328.C2.o2.gp	Method	AAT/GAP
Start	2206	End	2625
GI	2443041	Score	516

Exons	2206..2262, 2354..2625		
Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88440	Strand	-
Start	5904	End	6236
Name	OJ000113_18.0328.C2.o3.gs	Method	GENSCAN
Start	5904	End	6236
GI	none	Score	.91
Exons	5904..6236		
Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88441	Strand	-
Start	13600	End	16210
Name	OJ000113_18.0328.C2.o2.tm	Method	TBLASTX:Maize
Start	8881	End	12404
GI	none	Score	37
Exons	8881..8943, 9031..9108, 9032..9124, 9439..9525, 9440..9484, 9441..9488, 9838..9990, 9838..9981, 9839..9991, 9839..9982, 10260..10397, 10262..10399, 10263..10397, 10264..10398, 10482..10556, 10483..10551, 10708..10830, 10739..10831, 10743..10832, 10927..10959, 10930..10956, 10932..10964, 10957..11007, 10960..11007, 11084..11179, 11085..11183, 11434..11535, 11444..11548, 11445..11549, 11639..11713, 11640..11723, 11939..12052, 11967..12053, 12302..12403, 12303..12404		
Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88441	Strand	-
Start	13600	End	16210
Name	OJ000113_18.0328.C2.o5.gs	Method	GENSCAN
Start	13600	End	15366
GI	none	Score	.78
Exons	13600..13634, 14431..14881, 15325..15366		
Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88441	Strand	-
Start	13600	End	16210
Name	OJ000113_18.0328.C2.o1.tc	Method	TBLASTX:Cress
Start	14588	End	16210
GI	none	Score	152
Exons	14588..14734, 15900..16001, 15901..16008, 16088..16210, 16093..16176		
Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88441	Strand	-
Start	13600	End	16210
Name	OJ000113_18.0328.C2.o1.tw	Method	TBLASTX:Wheat
Start	14588	End	16019
GI	none	Score	237
Exons	14588..14734, 14659..14751, 15894..16007, 15898..16008, 15900..16019		
Seq. No.	42441	Seq. ID	OJ000113_18.0328.C2
Gene No.	88441	Strand	-
Start	13600	End	16210
Name	OJ000113_18.0328.C2.o1.tm	Method	TBLASTX:Maize
Start	14591	End	16210

GI	none	Score	221
Exons	14591..14734, 14656..14751, 15897..16004, 15897..16004, 15898..16017, 15898..16005, 16049..16207, 16088..16210		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88442	Strand	+
Start	159	End	366
Name	OJ000113_18.0328.C3.o1.gs	Method	GENSCAN
Start	159	End	366
GI	none	Score	.41
Exons	159..366		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88443	Strand	+
Start	3017	End	6875
Name	OJ000113_18.0328.C3.o2.np	Method	AAT/NAP
Start	1772	End	6875
GI	1931640	Score	820
Exons	1772..1834, 2315..2389, 3134..3308, 3748..3855, 3987..4082, 4210..4302, 5242..5330, 5833..6056, 6215..6339, 6440..6535, 6763..6875		
GI Descrip.	(U95973) Serine carboxypeptidase isolog [Arabidopsis thaliana]		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88443	Strand	+
Start	3017	End	6875
Name	OJ000113_18.0328.C3.o1.np	Method	AAT/NAP
Start	1934	End	2045
GI	5852093	Score	49
Exons	1934..2045		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88443	Strand	+
Start	3017	End	6875
Name	OJ000113_18.0328.C3.o2.gs	Method	GENSCAN
Start	3017	End	6868
GI	none	Score	.82
Exons	3017..3308, 3748..3855, 3987..4082, 4210..4302, 5242..5330, 5833..6105, 6191..6339, 6760..6868		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88444	Strand	-
Start	5450	End	6871
Name	OJ000113_18.0328.C3.o2.tc	Method	TBLASTX:Cress
Start	3127	End	4072
GI	none	Score	187
Exons	3127..3309, 3131..3310, 3746..3871, 3756..3869, 3985..4056, 3989..4072		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88444	Strand	-
Start	5450	End	6871
Name	OJ000113_18.0328.C3.o2.tm	Method	TBLASTX:Maize
Start	3127	End	4041
GI	none	Score	206
Exons	3127..3270, 3128..3271, 3257..3310, 3728..3871, 3746..3856,		

3756..3869, 3985..4041, 3986..4039

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88444	Strand	-
Start	5450	End	6871
Name	OJ000113_18.0328.C3.o2.ts	Method	TBLASTX:Soybean
Start	3133	End	3835
GI	none	Score	184
Exons	3133..3255, 3134..3271, 3257..3310, 3268..3309, 3728..3835, 3756..3833		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88444	Strand	-
Start	5450	End	6871
Name	OJ000113_18.0328.C3.o3.ts	Method	TBLASTX:Soybean
Start	3985	End	4292
GI	none	Score	123
Exons	3985..4044, 3989..4099, 4206..4292		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88444	Strand	-
Start	5450	End	6871
Name	OJ000113_18.0328.C3.o1.tc	Method	TBLASTX:Cress
Start	4203	End	6313
GI	none	Score	157
Exons	4203..4322, 4203..4298, 5235..5333, 5827..6075, 6212..6313		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88444	Strand	-
Start	5450	End	6871
Name	OJ000113_18.0328.C3.o1.gp	Method	AAT/GAP
Start	5450	End	6765
GI	none	Score	1069
Exons	5450..5980, 6735..6765		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88444	Strand	-
Start	5450	End	6871
Name	OJ000113_18.0328.C3.o1.tm	Method	TBLASTX:Maize
Start	5820	End	6072
GI	none	Score	340
Exons	5820..6053, 5824..6072		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88444	Strand	-
Start	5450	End	6871
Name	OJ000113_18.0328.C3.o1.ts	Method	TBLASTX:Soybean
Start	5820	End	6871
GI	none	Score	315
Exons	5820..6065, 5833..6081, 6205..6342, 6206..6340, 6760..6870, 6761..6871		

Seq. No.	42442	Seq. ID	OJ000113_18.0328.C3
Gene No.	88444	Strand	-
Start	5450	End	6871
Name	OJ000113_18.0328.C3.o3.tm	Method	TBLASTX:Maize
Start	6187	End	6814

GI	none	Score	165
Exons	6187..6312, 6188..6310, 6277..6315, 6434..6535, 6435..6533, 6760..6813, 6761..6814		

Seq. No.	42443	Seq. ID	OJ000113_18.0328.C4
Gene No.	88445	Strand	+
Start	5844	End	7550
Name	OJ000113_18.0328.C4.o2.np	Method	AAT/NAP
Start	5844	End	7550
GI	6721512	Score	51
Exons	5844..5869, 7414..7550		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42443	Seq. ID	OJ000113_18.0328.C4
Gene No.	88446	Strand	-
Start	1379	End	3716
Name	OJ000113_18.0328.C4.o1.gs	Method	GENSCAN
Start	1379	End	3716
GI	none	Score	.86
Exons	1379..1502, 1840..2109, 2684..2808, 3116..3253, 3443..3716		

Seq. No.	42443	Seq. ID	OJ000113_18.0328.C4
Gene No.	88447	Strand	-
Start	5168	End	7503
Name	OJ000113_18.0328.C4.o2.gs	Method	GENSCAN
Start	5168	End	7503
GI	none	Score	.81
Exons	5168..5748, 5754..6044, 6171..7503		

Seq. No.	42443	Seq. ID	OJ000113_18.0328.C4
Gene No.	88447	Strand	-
Start	5168	End	7503
Name	OJ000113_18.0328.C4.o1.np	Method	AAT/NAP
Start	5403	End	7278
GI	6721562	Score	462
Exons	5403..6084, 6301..6768, 7177..7278		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	42443	Seq. ID	OJ000113_18.0328.C4
Gene No.	88447	Strand	-
Start	5168	End	7503
Name	OJ000113_18.0328.C4.o1.tw	Method	TBLASTX:Wheat
Start	5600	End	5997
GI	none	Score	73
Exons	5600..5776, 5601..5777, 5773..5820, 5869..5946, 5885..5935, 5947..5997		

Seq. No.	42444	Seq. ID	OJ000113_18.0328.C6
Gene No.	88448	Strand	-
Start	343	End	1017
Name	OJ000113_18.0328.C6.o1.np	Method	AAT/NAP
Start	343	End	1017
GI	7248393	Score	557

Exons	343..1017		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	42444	Seq. ID	OJ000113_18.0328.C6
Gene No.	88449	Strand	-
Start	1053	End	3753
Name	OJ000113_18.0328.C6.o2.np	Method	AAT/NAP
Start	1053	End	3753
GI	5042463	Score	113
Exons	1053..1166, 1219..1360, 1978..2198, 3726..3753		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88450	Strand	+
Start	1	End	2007
Name	OJ000113_18.0328.C7.o1.np	Method	AAT/NAP
Start	1	End	2007
GI	6069646	Score	542
Exons	1..180, 464..1389, 1953..2007		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88451	Strand	+
Start	8369	End	8744
Name	OJ000113_18.0328.C7.o2.gp	Method	AAT/GAP
Start	8369	End	8744
GI	75091_1.R1084	Score	456
Exons	8369..8599, 8622..8744		
GI Descrip.	'2145358/emb|CAA71854| 9.0e-09 (Y10922) HD-Zip protein [Arabidopsis thaliana]'		
Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88452	Strand	+
Start	20137	End	24305
Name	OJ000113_18.0328.C7.o4.gs	Method	GENSCAN
Start	20137	End	24305
GI	none	Score	.74
Exons	20137..20268, 20852..20967, 22913..23206, 24173..24305		
Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88453	Strand	+
Start	26602	End	26773
Name	OJ000113_18.0328.C7.o5.np	Method	AAT/NAP
Start	26602	End	26773
GI	7340884	Score	159
Exons	26602..26773		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		
Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88454	Strand	-
Start	1783	End	8788
Name	OJ000113_18.0328.C7.o1.gp	Method	AAT/GAP

Start	1783	End	2644
GI	31877_1.R1084	Score	409
Exons	1783..2012, 2598..2644		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88454	Strand	-
Start	1783	End	8788
Name	OJ000113_18.0328.C7.o2.np	Method	AAT/NAP
Start	2339	End	8228
GI	4544372	Score	209
Exons	2339..2940, 8186..8228		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88454	Strand	-
Start	1783	End	8788
Name	OJ000113_18.0328.C7.o3.np	Method	AAT/NAP
Start	2915	End	7691
GI	7248394	Score	272
Exons	2915..3295, 3680..4010, 7664..7691		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88454	Strand	-
Start	1783	End	8788
Name	OJ000113_18.0328.C7.o2.gs	Method	GENSCAN
Start	3945	End	8760
GI	none	Score	.64
Exons	3945..4069, 4099..4509, 4552..6391, 6524..7079, 7123..7160, 7363..7638, 8551..8624, 8685..8760		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88454	Strand	-
Start	1783	End	8788
Name	OJ000113_18.0328.C7.o4.np	Method	AAT/NAP
Start	5228	End	8788
GI	7487527	Score	177
Exons	5228..5247, 8551..8788		
GI Descrip.	hypothetical protein T29F13.8 - Arabidopsis thaliana gi|2145356|emb|CAA72007.1| (Y11122) HD-Zip protein [Arabidopsis thaliana] gi|3132474|gb|AAC16263.1| (AC003096) homeodomain transcription factor (ATHB-14) [Arabidopsis thaliana]		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88455	Strand	-
Start	12793	End	19435
Name	OJ000113_18.0328.C7.o3.gs	Method	GENSCAN
Start	12793	End	19435
GI	none	Score	.89
Exons	12793..12917, 15019..15099, 15446..15556, 16199..16367,		

16471..17385, 17618..17761, 17907..17999, 18711..18741,
19022..19174, 19383..19435

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88456	Strand	-
Start	25633	End	31840
Name	OJ000113_18.0328.C7.o5.gs	Method	GENSCAN
Start	25633	End	31840
GI	none	Score	.6
Exons	25633..25750, 27275..27364, 27385..27554, 27868..27887, 28370..28438, 28588..28748, 29153..29283, 29370..29639, 30105..30226, 30663..30803, 30966..31316, 31330..31406, 31647..31840		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88456	Strand	-
Start	25633	End	31840
Name	OJ000113_18.0328.C7.o3.gp	Method	AAT/GAP
Start	29180	End	30200
GI	2443041	Score	767
Exons	29180..29283, 29370..29639, 30105..30200		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88457	Strand	-
Start	33701	End	34032
Name	OJ000113_18.0328.C7.o1.tw	Method	TBLASTX:Wheat
Start	45	End	471
GI	none	Score	69
Exons	45..122, 87..119, 129..344, 133..348, 360..470, 361..471		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88457	Strand	-
Start	33701	End	34032
Name	OJ000113_18.0328.C7.o1.tm	Method	TBLASTX:Maize
Start	166	End	559
GI	none	Score	272
Exons	166..459, 168..287, 360..458, 464..559, 469..558		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88457	Strand	-
Start	33701	End	34032
Name	OJ000113_18.0328.C7.o2.tm	Method	TBLASTX:Maize
Start	866	End	1384
GI	none	Score	294
Exons	866..1384, 898..1182, 1211..1345		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88457	Strand	-
Start	33701	End	34032
Name	OJ000113_18.0328.C7.o1.ts	Method	TBLASTX:Soybean
Start	8542	End	8748
GI	none	Score	91
Exons	8542..8613, 8543..8611, 8548..8700, 8550..8702, 8707..8748		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88457	Strand	-
Start	33701	End	34032

Name	OJ000113_18.0328.C7.o2.tw	Method	TBLASTX:Wheat
Start	8547	End	8703
GI	none	Score	64
Exons	8547..8600, 8548..8703, 8548..8595, 8550..8702		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88457	Strand	-
Start	33701	End	34032
Name	OJ000113_18.0328.C7.o1.tc	Method	TBLASTX:Cress
Start	8548	End	8702
GI	none	Score	181
Exons	8548..8700, 8550..8702		

Seq. No.	42445	Seq. ID	OJ000113_18.0328.C7
Gene No.	88457	Strand	-
Start	33701	End	34032
Name	OJ000113_18.0328.C7.o6.gs	Method	GENSCAN
Start	33701	End	34032
GI	none	Score	.52
Exons	33701..33823, 34006..34032		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88458	Strand	+
Start	68	End	1699
Name	OJ000113_18.0328.C8.o1.gs	Method	GENSCAN
Start	68	End	1699
GI	none	Score	.71
Exons	68..198, 1350..1523, 1592..1699		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88459	Strand	+
Start	2475	End	2839
Name	OJ000113_18.0328.C8.o2.gs	Method	GENSCAN
Start	2475	End	2839
GI	none	Score	.81
Exons	2475..2535, 2826..2839		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88460	Strand	-
Start	1	End	282
Name	OJ000113_18.0328.C8.o1.gp	Method	AAT/GAP
Start	1	End	282
GI	none	Score	556
Exons	1..282		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88461	Strand	-
Start	934	End	6247
Name	OJ000113_18.0328.C8.o1.np	Method	AAT/NAP
Start	934	End	2825
GI	5902448	Score	478
Exons	934..1003, 2184..2825		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88461	Strand	-
Start	934	End	6247

Name	OJ000113_18.0328.C8.o2.np	Method	AAT/NAP
Start	2570	End	6247
GI	6721516	Score	574
Exons	2570..2638, 3352..3466, 3608..3914, 4328..4583, 6220..6247		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88462	Strand	-
Start	7884	End	14356
Name	OJ000113_18.0328.C8.o3.np	Method	AAT/NAP
Start	7884	End	14356
GI	6466937	Score	2324
Exons	7884..8025, 8474..12670, 13730..13778, 14282..14356		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88462	Strand	-
Start	7884	End	14356
Name	OJ000113_18.0328.C8.o4.np	Method	AAT/NAP
Start	8454	End	13161
GI	3810596	Score	1128
Exons	8454..9411, 10775..11001, 11071..12040, 12172..12422, 12507..12670, 12864..13161		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o4.tm	Method	TBLASTX:Maize
Start	8400	End	9059
GI	none	Score	89
Exons	8400..8663, 8422..8589, 8442..8621, 8658..9059, 8692..8958, 8706..9011		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o2.tw	Method	TBLASTX:Wheat
Start	8598	End	8996
GI	none	Score	125
Exons	8598..8996, 8623..8943, 8823..8981		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o4.tw	Method	TBLASTX:Wheat
Start	9054	End	9446
GI	none	Score	311
Exons	9054..9446		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o1.tm	Method	TBLASTX:Maize
Start	9066	End	9714

GI	none	Score	356
Exons	9066..9665, 9067..9615, 9661..9714		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o2.ts	Method	TBLASTX:Soybean
Start	9294	End	9668
GI	none	Score	80
Exons	9294..9551, 9294..9668, 9295..9666		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o5.tw	Method	TBLASTX:Wheat
Start	9534	End	9942
GI	none	Score	72
Exons	9534..9665, 9547..9669, 9667..9819, 9671..9784, 9856..9942		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o6.tm	Method	TBLASTX:Maize
Start	9715	End	10074
GI	none	Score	121
Exons	9715..9948, 9937..10074		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o2.tm	Method	TBLASTX:Maize
Start	10075	End	10663
GI	none	Score	135
Exons	10075..10662, 10141..10413, 10148..10663		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o4.ts	Method	TBLASTX:Soybean
Start	10138	End	10383
GI	none	Score	85
Exons	10138..10383, 10256..10381		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o3.tw	Method	TBLASTX:Wheat
Start	10291	End	10692
GI	none	Score	144
Exons	10291..10692, 10325..10690		

Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o1.ts	Method	TBLASTX:Soybean
Start	10405	End	10776
GI	none	Score	113

Exons	10405..10776, 10427..10603, 10465..10770		
Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o3.tm	Method	TBLASTX:Maize
Start	10687	End	16707
GI	none	Score	229
Exons	10687..11163, 10760..11158, 10905..11171, 16480..16707, 16484..16687		
Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o1.tw	Method	TBLASTX:Wheat
Start	10741	End	16707
GI	none	Score	216
Exons	10741..11223, 10766..11146, 16480..16680, 16480..16707		
Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o1.tc	Method	TBLASTX:Cress
Start	10771	End	16707
GI	none	Score	110
Exons	10771..11094, 16477..16707		
Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o3.ts	Method	TBLASTX:Soybean
Start	10873	End	16686
GI	none	Score	106
Exons	10873..11187, 10934..11188, 16489..16686		
Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o5.tm	Method	TBLASTX:Maize
Start	11440	End	12054
GI	none	Score	66
Exons	11440..11529, 11611..11838, 11618..11830, 11929..12054, 11942..12022		
Seq. No.	42446	Seq. ID	OJ000113_18.0328.C8
Gene No.	88463	Strand	-
Start	16458	End	16738
Name	OJ000113_18.0328.C8.o5.np	Method	AAT/NAP
Start	16458	End	16738
GI	4417308	Score	232
Exons	16458..16738		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	42447	Seq. ID	OJ000113_18.0328.C10
Gene No.	88464	Strand	-
Start	75	End	722

Name	OJ000113_18.0328.C10.o1.gs	Method	GENSCAN
Start	75	End	722
GI	none	Score	.55
Exons	75..235, 671..722		

Seq. No.	42447	Seq. ID	OJ000113_18.0328.C10
Gene No.	88464	Strand	-
Start	75	End	722
Name	OJ000113_18.0328.C10.o1.gp	Method	AAT/GAP
Start	107	End	209
GI	2443041	Score	171
Exons	107..209		

Seq. No.	42448	Seq. ID	OJ000113_18.0328.C11
Gene No.	88465	Strand	-
Start	420	End	1846
Name	OJ000113_18.0328.C11.o1.tm	Method	TBLASTX:Maize
Start	419	End	1382
GI	none	Score	66
Exons	419..490, 419..487, 424..504, 1235..1339, 1236..1382, 1240..1380, 1242..1382		

Seq. No.	42448	Seq. ID	OJ000113_18.0328.C11
Gene No.	88465	Strand	-
Start	420	End	1846
Name	OJ000113_18.0328.C11.o1.gs	Method	GENSCAN
Start	420	End	1846
GI	none	Score	.75
Exons	420..489, 1236..1418, 1655..1846		

Seq. No.	42449	Seq. ID	OJ000113_18.0328.C12
Gene No.	88466	Strand	-
Start	474	End	17152
Name	OJ000113_18.0328.C12.o1.gs	Method	GENSCAN
Start	474	End	17152
GI	none	Score	.5
Exons	474..585, 1043..1170, 1246..1343, 2019..2201, 2294..2442, 3190..3458, 5233..5325, 5625..5923, 6187..6393, 8030..8115, 9231..9492, 10010..10436, 14647..15286, 15839..15909, 17073..17152		

Seq. No.	42449	Seq. ID	OJ000113_18.0328.C12
Gene No.	88466	Strand	-
Start	474	End	17152
Name	OJ000113_18.0328.C12.o2.tm	Method	TBLASTX:Maize
Start	1087	End	2186
GI	none	Score	89
Exons	1087..1167, 1089..1163, 1243..1344, 1245..1367, 1990..2037, 2106..2186		

Seq. No.	42449	Seq. ID	OJ000113_18.0328.C12
Gene No.	88466	Strand	-
Start	474	End	17152
Name	OJ000113_18.0328.C12.o1.gp	Method	AAT/GAP
Start	8812	End	14837
GI	33240_1.R1084	Score	2381
Exons	8812..8857, 8883..9492, 10010..10436, 14647..14837		

GI Descrip. '5579092/gb|AAD45424.1| 4.0e-71 (AF100954) gibberellin 2-oxidase-like protein [Pisum sativum]'

Seq. No.	42449	Seq. ID	OJ000113_18.0328.C12
Gene No.	88466	Strand	-
Start	474	End	17152
Name	OJ000113_18.0328.C12.o1.np	Method	AAT/NAP
Start	9220	End	15089
GI	5579092	Score	701
Exons	9220..9492, 10010..10175, 10212..10436, 14647..14977, 15029..15089		
GI Descrip.	(AF100954) gibberellin 2-oxidase-like protein [Pisum sativum]		

Seq. No.	42449	Seq. ID	OJ000113_18.0328.C12
Gene No.	88466	Strand	-
Start	474	End	17152
Name	OJ000113_18.0328.C12.o3.tm	Method	TBLASTX:Maize
Start	9259	End	10178
GI	none	Score	74
Exons	9259..9498, 9371..9499, 10001..10069, 10007..10069, 10088..10174, 10104..10178		

Seq. No.	42449	Seq. ID	OJ000113_18.0328.C12
Gene No.	88466	Strand	-
Start	474	End	17152
Name	OJ000113_18.0328.C12.o1.ts	Method	TBLASTX:Soybean
Start	9400	End	14909
GI	none	Score	51
Exons	9400..9498, 10001..10069, 10010..10069, 10088..10174, 10110..10178, 10283..10435, 10283..10432, 14706..14810, 14707..14808, 14880..14909		

Seq. No.	42449	Seq. ID	OJ000113_18.0328.C12
Gene No.	88466	Strand	-
Start	474	End	17152
Name	OJ000113_18.0328.C12.o1.tm	Method	TBLASTX:Maize
Start	10283	End	14912
GI	none	Score	130
Exons	10283..10432, 10283..10438, 14635..14805, 14640..14807, 14880..14912		

Seq. No.	42450	Seq. ID	OJ000223_14.0323.C1
Gene No.	88467	Strand	+
Start	496	End	586
Name	OJ000223_14.0323.C1.o1.gs	Method	GENSCAN
Start	496	End	586
GI	none	Score	.41
Exons	496..586		

Seq. No.	42451	Seq. ID	OJ000223_14.0323.C2
Gene No.	88468	Strand	-
Start	1373	End	3487
Name	OJ000223_14.0323.C2.o1.gs	Method	GENSCAN
Start	1373	End	3282
GI	none	Score	.91
Exons	1373..1462, 2036..2178, 2590..2731, 2817..3137, 3217..3282		

Seq. No.	42451	Seq. ID	OJ000223_14.0323.C2
Gene No.	88468	Strand	-
Start	1373	End	3487
Name	OJ000223_14.0323.C2.o1.np	Method	AAT/NAP
Start	1542	End	3487
GI	7228438	Score	190
Exons	1542..1582, 2817..3137, 3457..3487		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	42452	Seq. ID	OJ000223_14.0323.C3
Gene No.	88469	Strand	-
Start	1	End	2302
Name	OJ000223_14.0323.C3.o1.np	Method	AAT/NAP
Start	1	End	2302
GI	5441880	Score	393
Exons	1..401, 559..1118, 1149..1469, 1578..1717, 2216..2302		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	42452	Seq. ID	OJ000223_14.0323.C3
Gene No.	88469	Strand	-
Start	1	End	2302
Name	OJ000223_14.0323.C3.o1.gs	Method	GENSCAN
Start	40	End	1729
GI	none	Score	.52
Exons	40..409, 605..706, 744..851, 945..1035, 1081..1324, 1348..1502, 1578..1729		

Seq. No.	42452	Seq. ID	OJ000223_14.0323.C3
Gene No.	88469	Strand	-
Start	1	End	2302
Name	OJ000223_14.0323.C3.o1.gp	Method	AAT/GAP
Start	275	End	721
GI	LIB3433-020-P1-K1-A6	Score	682
Exons	275..721		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	42452	Seq. ID	OJ000223_14.0323.C3
Gene No.	88469	Strand	-
Start	1	End	2302
Name	OJ000223_14.0323.C3.o1.tw	Method	TBLASTX:Wheat
Start	1229	End	1411
GI	none	Score	108
Exons	1229..1348, 1230..1364, 1347..1397, 1358..1411		

Seq. No.	42453	Seq. ID	OJ000223_14.0323.C4
Gene No.	88470	Strand	-
Start	1	End	2474
Name	OJ000223_14.0323.C4.o1.np	Method	AAT/NAP
Start	1	End	2474
GI	7228442	Score	2696
Exons	1..2474		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]

Seq. No.	42453	Seq. ID	OJ000223_14.0323.C4
Gene No.	88470	Strand	-
Start	1	End	2474
Name	OJ000223_14.0323.C4.o1.gs	Method	GENSCAN
Start	122	End	2117
GI	none	Score	.6
Exons	122..166, 337..1001, 1075..2117		

Seq. No.	42453	Seq. ID	OJ000223_14.0323.C4
Gene No.	88471	Strand	-
Start	5847	End	6801
Name	OJ000223_14.0323.C4.o3.gs	Method	GENSCAN
Start	5847	End	6801
GI	none	Score	.78
Exons	5847..5992, 6624..6801		

Seq. No.	42453	Seq. ID	OJ000223_14.0323.C4
Gene No.	88472	Strand	-
Start	10073	End	10216
Name	OJ000223_14.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	767	End	1145
GI	none	Score	61
Exons	767..940, 778..912, 873..941, 965..1054, 990..1055, 1059..1142, 1062..1145		

Seq. No.	42453	Seq. ID	OJ000223_14.0323.C4
Gene No.	88472	Strand	-
Start	10073	End	10216
Name	OJ000223_14.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	960	End	1439
GI	none	Score	42
Exons	960..1055, 971..1057, 1056..1220, 1059..1439, 1063..1392		

Seq. No.	42453	Seq. ID	OJ000223_14.0323.C4
Gene No.	88472	Strand	-
Start	10073	End	10216
Name	OJ000223_14.0323.C4.o1.gp	Method	AAT/GAP
Start	10073	End	10216
GI	LIB3477-003-P1-K1-E9	Score	99
Exons	10073..10096, 10158..10216		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42454	Seq. ID	OJ000223_14.0323.C5
Gene No.	88473	Strand	-
Start	722	End	1552
Name	OJ000223_14.0323.C5.o1.gs	Method	GENSCAN
Start	722	End	1552
GI	none	Score	.67
Exons	722..807, 1199..1259, 1492..1552		

Seq. No.	42454	Seq. ID	OJ000223_14.0323.C5
Gene No.	88474	Strand	-

Start	1898	End	3037
Name	OJ000223_14.0323.C5.o2.gs	Method	GENSCAN
Start	1898	End	3037
GI	none	Score	.96
Exons	1898..2012, 2478..2636, 2664..2811, 2896..3037		

Seq. No.	42455	Seq. ID	OJ000223_14.0323.C8
Gene No.	88475	Strand	-
Start	1596	End	1850
Name	OJ000223_14.0323.C8.o1.gp	Method	AAT/GAP
Start	1188	End	1850
GI	305_2.R1084	Score	1074
Exons	1188..1661, 1752..1850		
GI Descrip.	'4139264 1.0e-83 (AF111812) actin [Brassica napus]'		

Seq. No.	42455	Seq. ID	OJ000223_14.0323.C8
Gene No.	88475	Strand	-
Start	1596	End	1850
Name	OJ000223_14.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	1507	End	1850
GI	none	Score	34
Exons	1507..1533, 1510..1533, 1544..1663, 1578..1664, 1588..1665, 1590..1679, 1591..1665, 1725..1850, 1749..1847, 1753..1848		

Seq. No.	42455	Seq. ID	OJ000223_14.0323.C8
Gene No.	88475	Strand	-
Start	1596	End	1850
Name	OJ000223_14.0323.C8.o1.ts	Method	TBLASTX:Soybean
Start	1552	End	1850
GI	none	Score	99
Exons	1552..1662, 1587..1679, 1591..1665, 1725..1850, 1740..1847, 1753..1848		

Seq. No.	42455	Seq. ID	OJ000223_14.0323.C8
Gene No.	88475	Strand	-
Start	1596	End	1850
Name	OJ000223_14.0323.C8.o1.tw	Method	TBLASTX:Wheat
Start	1590	End	1850
GI	none	Score	57
Exons	1590..1664, 1590..1679, 1591..1665, 1725..1850, 1749..1847, 1753..1848		

Seq. No.	42455	Seq. ID	OJ000223_14.0323.C8
Gene No.	88475	Strand	-
Start	1596	End	1850
Name	OJ000223_14.0323.C8.o1.tc	Method	TBLASTX:Cress
Start	1596	End	1850
GI	none	Score	86
Exons	1596..1664, 1596..1679, 1597..1665, 1725..1850, 1749..1847, 1753..1848		

Seq. No.	42455	Seq. ID	OJ000223_14.0323.C8
Gene No.	88475	Strand	-
Start	1596	End	1850
Name	OJ000223_14.0323.C8.o2.gs	Method	GENSCAN
Start	1596	End	1841
GI	none	Score	.55

Exons	1596..1661, 1710..1841		
Seq. No.	42455	Seq. ID	OJ000223_14.0323.C8
Gene No.	88475	Strand	-
Start	1596	End	1850
Name	OJ000223_14.0323.C8.o1.np	Method	AAT/NAP
Start	1599	End	1850
GI	168404	Score	237
Exons	1599..1664, 1752..1850		
GI Descrip.	(J01238) actin [Zea mays]		
Seq. No.	42456	Seq. ID	OJ000223_14.0323.C9
Gene No.	88476	Strand	+
Start	29	End	1834
Name	OJ000223_14.0323.C9.o1.gs	Method	GENSCAN
Start	29	End	1834
GI	none	Score	.45
Exons	29..206, 1787..1834		
Seq. No.	42456	Seq. ID	OJ000223_14.0323.C9
Gene No.	88477	Strand	-
Start	61	End	172
Name	OJ000223_14.0323.C9.o1.gp	Method	AAT/GAP
Start	61	End	172
GI	59728_1.R1084	Score	201
Exons	61..172		
GI Descrip.	'5230841/gb|AAD41039.1|AF112538_1 7.0e-31 (AF112538) actin [Malva pusilla]'		
Seq. No.	42457	Seq. ID	OJ000223_14.0323.C10
Gene No.	88478	Strand	+
Start	703	End	800
Name	OJ000223_14.0323.C10.o1.gp	Method	AAT/GAP
Start	703	End	800
GI	LIB3477-003-P1-K1-E9	Score	161
Exons	703..800		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	42458	Seq. ID	OJ000223_14.0323.C16
Gene No.	88479	Strand	-
Start	1135	End	1334
Name	OJ000223_14.0323.C16.o1.gs	Method	GENSCAN
Start	1135	End	1334
GI	none	Score	.77
Exons	1135..1334		
Seq. No.	42459	Seq. ID	OJ000223_14.0323.C17
Gene No.	88480	Strand	+
Start	928	End	3595
Name	OJ000223_14.0323.C17.o1.gs	Method	GENSCAN
Start	928	End	3595
GI	none	Score	.62
Exons	928..1160, 1317..1396, 2117..2301, 2410..2550, 2635..2781, 3329..3595		

Seq. No.	42459	Seq. ID	OJ000223_14.0323.C17
Gene No.	88481	Strand	-
Start	4013	End	4832
Name	OJ000223_14.0323.C17.o1.np	Method	AAT/NAP
Start	4013	End	4832
GI	5103810	Score	126
Exons	4013..4071, 4458..4589, 4755..4832		
GI Descrip.	(AC007591) Similar to gb|X79273 cytochrome c reductase hinge protein subunit from Solanum tuberosum. ESTs gb|T45282 and gb|T21596 come from this gene. [Arabidopsis thaliana]		

Seq. No.	42459	Seq. ID	OJ000223_14.0323.C17
Gene No.	88481	Strand	-
Start	4013	End	4832
Name	OJ000223_14.0323.C17.o1.gp	Method	AAT/GAP
Start	4168	End	4576
GI	15658_1.R1084	Score	504
Exons	4168..4365, 4486..4576		
GI Descrip.	'5103810/gb|AAD39640.1|AC007591_5 7.0e-26 (AC007591) Similar to gb_X79273 cytochrome c reductase hinge protein subunit from Solanum tuberosum. ESTs gb_T45282 and gb_T21596 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	42460	Seq. ID	OJ000223_14.0323.C18
Gene No.	88482	Strand	+
Start	5629	End	5949
Name	OJ000223_14.0323.C18.o1.gp	Method	AAT/GAP
Start	5629	End	5949
GI	uC-osf1M202014c01b1	Score	561
Exons	5629..5949		
GI Descrip.	'395930/emb|X66522|OSTOS12A 8.0e-49 O.sativa retrotransposon Tos1-2 >gi_2176333_dbj_E08212_E08212 DNA sequence containing retrotransposon region'		

Seq. No.	42460	Seq. ID	OJ000223_14.0323.C18
Gene No.	88483	Strand	-
Start	1427	End	2284
Name	OJ000223_14.0323.C18.o1.gs	Method	GENSCAN
Start	1427	End	2284
GI	none	Score	.75
Exons	1427..1573, 1779..1988, 2171..2284		

Seq. No.	42460	Seq. ID	OJ000223_14.0323.C18
Gene No.	88484	Strand	-
Start	3308	End	4524
Name	OJ000223_14.0323.C18.o2.gs	Method	GENSCAN
Start	3308	End	4524
GI	none	Score	.5
Exons	3308..4087, 4462..4524		

Seq. No.	42460	Seq. ID	OJ000223_14.0323.C18
Gene No.	88485	Strand	-
Start	5652	End	5761
Name	OJ000223_14.0323.C18.o2.gp	Method	AAT/GAP
Start	5652	End	5761
GI	1427_1.R1084	Score	178
Exons	5652..5761		

GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'		
Seq. No.	42460	Seq. ID	OJ000223_14.0323.C18
Gene No.	88486	Strand	-
Start	6962	End	9716
Name	OJ000223_14.0323.C18.o1.np	Method	AAT/NAP
Start	6962	End	9716
GI	1706331	Score	349
Exons	6962..7009, 9421..9716		
GI Descrip.	PYRUVATE DECARBOXYLASE ISOZYME 3 (PDC) gi|476284 (U07338) pyruvate decarboxylase [Oryza sativa]		
Seq. No.	42460	Seq. ID	OJ000223_14.0323.C18
Gene No.	88487	Strand	-
Start	13369	End	14833
Name	OJ000223_14.0323.C18.o1.tc	Method	TBLASTX:Cress
Start	9423	End	9651
GI	none	Score	125
Exons	9423..9650, 9429..9650, 9529..9651		
Seq. No.	42460	Seq. ID	OJ000223_14.0323.C18
Gene No.	88487	Strand	-
Start	13369	End	14833
Name	OJ000223_14.0323.C18.o1.ts	Method	TBLASTX:Soybean
Start	9423	End	9791
GI	none	Score	193
Exons	9423..9674, 9429..9650, 9535..9663, 9765..9791		
Seq. No.	42460	Seq. ID	OJ000223_14.0323.C18
Gene No.	88487	Strand	-
Start	13369	End	14833
Name	OJ000223_14.0323.C18.o6.gs	Method	GENSCAN
Start	13369	End	14833
GI	none	Score	.79
Exons	13369..13444, 13746..13811, 14372..14573, 14620..14833		
Seq. No.	42461	Seq. ID	OJ000223_14.0323.C19
Gene No.	88488	Strand	+
Start	1	End	4446
Name	OJ000223_14.0323.C19.o1.np	Method	AAT/NAP
Start	1	End	3531
GI	5902445	Score	816
Exons	1..760, 3461..3531		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	42461	Seq. ID	OJ000223_14.0323.C19
Gene No.	88488	Strand	+
Start	1	End	4446
Name	OJ000223_14.0323.C19.o1.gs	Method	GENSCAN
Start	110	End	1304
GI	none	Score	.48
Exons	110..721, 870..1304		
Seq. No.	42461	Seq. ID	OJ000223_14.0323.C19
Gene No.	88488	Strand	+

Start	1	End	4446
Name	OJ000223_14.0323.C19.o2.gs	Method	GENSCAN
Start	2702	End	4446
GI	none	Score	.54
Exons	2702..3901, 4405..4446		

Seq. No.	42461	Seq. ID	OJ000223_14.0323.C19
Gene No.	88489	Strand	-
Start	8073	End	8201
Name	OJ000223_14.0323.C19.o1.tm	Method	TBLASTX:Maize
Start	5	End	340
GI	none	Score	308
Exons	5..340, 124..339		

Seq. No.	42461	Seq. ID	OJ000223_14.0323.C19
Gene No.	88489	Strand	-
Start	8073	End	8201
Name	OJ000223_14.0323.C19.o1.tw	Method	TBLASTX:Wheat
Start	14	End	438
GI	none	Score	471
Exons	14..436, 17..298, 124..438		

Seq. No.	42461	Seq. ID	OJ000223_14.0323.C19
Gene No.	88489	Strand	-
Start	8073	End	8201
Name	OJ000223_14.0323.C19.o1.ts	Method	TBLASTX:Soybean
Start	68	End	493
GI	none	Score	320
Exons	68..493, 127..252, 304..336		

Seq. No.	42461	Seq. ID	OJ000223_14.0323.C19
Gene No.	88489	Strand	-
Start	8073	End	8201
Name	OJ000223_14.0323.C19.o2.tw	Method	TBLASTX:Wheat
Start	442	End	727
GI	none	Score	67
Exons	442..510, 443..511, 515..727,	518..637,	523..720

Seq. No.	42461	Seq. ID	OJ000223_14.0323.C19
Gene No.	88489	Strand	-
Start	8073	End	8201
Name	OJ000223_14.0323.C19.o2.np	Method	AAT/NAP
Start	8073	End	8201
GI	130582	Score	44
Exons	8073..8201		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	42462	Seq. ID	OJ000223_14.0323.C20
Gene No.	88490	Strand	-
Start	324	End	6191
Name	OJ000223_14.0323.C20.o1.gs	Method	GENSCAN
Start	324	End	1458
GI	none	Score	.64
Exons	324..445, 1107..1458		

Seq. No.	42462	Seq. ID	OJ000223_14.0323.C20
Gene No.	88490	Strand	-
Start	324	End	6191
Name	OJ000223_14.0323.C20.o1.np	Method	AAT/NAP
Start	592	End	6191
GI	125065	Score	136
Exons	592..803, 1711..1807, 6130..6191		
GI Descrip.	60 KD JASMONATE-INDUCED PROTEIN gi|419795|pir||S25092 jasmonate-induced protein - barley gi|19011|emb|CAA47017| (X66376) jasmonate-induced protein [Hordeum vulgare]		

Seq. No.	42462	Seq. ID	OJ000223_14.0323.C20
Gene No.	88490	Strand	-
Start	324	End	6191
Name	OJ000223_14.0323.C20.o2.np	Method	AAT/NAP
Start	2630	End	3256
GI	4544372	Score	228
Exons	2630..3256		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88491	Strand	+
Start	2795	End	6421
Name	OJ000223_14.0323.C21.o1.gs	Method	GENSCAN
Start	2795	End	6421
GI	none	Score	.92
Exons	2795..4123, 4395..4971, 5145..5245, 6404..6421		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88492	Strand	+
Start	7237	End	8421
Name	OJ000223_14.0323.C21.o2.gs	Method	GENSCAN
Start	7237	End	8421
GI	none	Score	.52
Exons	7237..7313, 7564..7761, 8226..8421		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88493	Strand	+
Start	14900	End	16679
Name	OJ000223_14.0323.C21.o5.gs	Method	GENSCAN
Start	14900	End	16679
GI	none	Score	.73
Exons	14900..14959, 15041..15115, 15747..15962, 16458..16679		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88494	Strand	-
Start	9437	End	10696
Name	OJ000223_14.0323.C21.o1.gp	Method	AAT/GAP
Start	9216	End	9497
GI	none	Score	448
Exons	9216..9497		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88494	Strand	-
Start	9437	End	10696

Name	OJ000223_14.0323.C21.o3.gs	Method	GENSCAN
Start	9437	End	10696
GI	none	Score	.99
Exons	9437..10696		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88494	Strand	-
Start	9437	End	10696
Name	OJ000223_14.0323.C21.o1.np	Method	AAT/NAP
Start	9455	End	10696
GI	6730709	Score	783
Exons	9455..10012, 10058..10633, 10670..10696		
GI Descrip.	(AC011809) Unknown protein [Arabidopsis thaliana]		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88495	Strand	-
Start	18949	End	24655
Name	OJ000223_14.0323.C21.o6.gs	Method	GENSCAN
Start	18949	End	24655
GI	none	Score	.61
Exons	18949..19702, 19801..19933, 21857..22053, 22629..22827, 24586..24655		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88495	Strand	-
Start	18949	End	24655
Name	OJ000223_14.0323.C21.o2.np	Method	AAT/NAP
Start	18952	End	22067
GI	2829918	Score	1232
Exons	18952..19702, 19801..19933, 21440..21527, 21721..22067		
GI Descrip.	(AC002291) similar to "tub" protein gp|U82468|2072162 [Arabidopsis thaliana]		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o5.tm	Method	TBLASTX:Maize
Start	9140	End	9545
GI	none	Score	86
Exons	9140..9205, 9147..9206, 9150..9275, 9161..9379, 9253..9303, 9324..9350, 9436..9519, 9437..9535, 9438..9545		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o4.tc	Method	TBLASTX:Cress
Start	9458	End	10366
GI	none	Score	77
Exons	9458..9535, 9459..9542, 9605..9736, 9657..9710, 10193..10366		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o4.ts	Method	TBLASTX:Soybean
Start	9464	End	9736
GI	none	Score	60
Exons	9464..9535, 9468..9536, 9605..9736, 9654..9695		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o4.tm	Method	TBLASTX:Maize
Start	9848	End	10124
GI	none	Score	140
Exons	9848..9991, 9853..9957, 9870..10010, 9875..9973, 10059..10124		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o3.ts	Method	TBLASTX:Soybean
Start	9911	End	10486
GI	none	Score	95
Exons	9911..9973, 9942..10007, 10178..10342, 10193..10366, 10418..10486		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o3.tm	Method	TBLASTX:Maize
Start	10187	End	10546
GI	none	Score	65
Exons	10187..10252, 10193..10237, 10226..10366, 10227..10358, 10418..10492, 10493..10546		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o1.tm	Method	TBLASTX:Maize
Start	18941	End	19841
GI	none	Score	146
Exons	18941..19087, 18949..19080, 18956..19102, 19148..19231, 19150..19284, 19151..19285, 19326..19391, 19327..19377, 19370..19606, 19429..19605, 19476..19628, 19600..19704, 19664..19717, 19800..19841		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o1.tc	Method	TBLASTX:Cress
Start	18946	End	19500
GI	none	Score	49
Exons	18946..19083, 18947..19087, 18949..19086, 19147..19260, 19150..19284, 19154..19306, 19307..19426, 19429..19500, 19439..19492		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o2.ts	Method	TBLASTX:Soybean
Start	18946	End	19300
GI	none	Score	103
Exons	18946..19083, 18946..19086, 18950..19087, 18956..19102, 19097..19270, 19131..19286, 19150..19299, 19160..19300		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o3.tw	Method	TBLASTX:Wheat
Start	18949	End	19083
GI	none	Score	144
Exons	18949..19083, 18950..19075, 18952..19083		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o2.tw	Method	TBLASTX:Wheat
Start	19150	End	19270
GI	none	Score	161
Exons	19150..19269, 19151..19270		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o4.tw	Method	TBLASTX:Wheat
Start	19318	End	19587
GI	none	Score	114
Exons	19318..19353, 19367..19564, 19408..19587, 19429..19587		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o1.ts	Method	TBLASTX:Soybean
Start	19438	End	22073
GI	none	Score	165
Exons	19438..19704, 19439..19717, 19800..19925, 19800..19940, 19801..19935, 21448..21531, 21468..21530, 21721..21780, 21722..21781, 21779..22069, 21780..22073, 21781..22068, 21786..22070		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o2.tc	Method	TBLASTX:Cress
Start	19501	End	19940
GI	none	Score	68
Exons	19501..19626, 19502..19606, 19637..19717, 19645..19704, 19800..19934, 19800..19940, 19801..19935		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o3.tc	Method	TBLASTX:Cress
Start	21451	End	22068
GI	none	Score	85
Exons	21451..21555, 21468..21539, 21721..21780, 21722..21796, 21777..21929, 21778..21921, 21957..22067, 21960..22067, 21961..22068		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237

Name	OJ000223_14.0323.C21.o1.tw	Method	TBLASTX:Wheat
Start	21739	End	22073
GI	none	Score	61
Exons	21739..21996, 21740..21781, 21749..21991, 21780..22073, 21781..22071		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o2.tm	Method	TBLASTX:Maize
Start	21804	End	22100
GI	none	Score	284
Exons	21804..22073, 21804..22100		

Seq. No.	42463	Seq. ID	OJ000223_14.0323.C21
Gene No.	88496	Strand	-
Start	24946	End	25237
Name	OJ000223_14.0323.C21.o2.gp	Method	AAT/GAP
Start	24946	End	25237
GI	3761970	Score	517
Exons	24946..25237		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88497	Strand	+
Start	5380	End	8724
Name	OJ000223_14.0323.C22.o1.np	Method	AAT/NAP
Start	5380	End	8724
GI	6466937	Score	1736
Exons	5380..8724		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88498	Strand	-
Start	1	End	3302
Name	OJ000223_14.0323.C22.o1.gp	Method	AAT/GAP
Start	1	End	170
GI	3761970	Score	326
Exons	1..170		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88498	Strand	-
Start	1	End	3302
Name	OJ000223_14.0323.C22.o1.gs	Method	GENSCAN
Start	25	End	1242
GI	none	Score	.92
Exons	25..1242		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88498	Strand	-
Start	1	End	3302
Name	OJ000223_14.0323.C22.o2.gp	Method	AAT/GAP
Start	783	End	3302
GI	none	Score	1208
Exons	783..1333, 3184..3302		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22

Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o3.ts	Method	TBLASTX:Soybean
Start	79	End	782
GI	none	Score	42
Exons	79..165, 381..413, 447..611, 589..768, 591..782, 644..781	448..612, 496..609, 526..780,	

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o8.tm	Method	TBLASTX:Maize
Start	218	End	537
GI	none	Score	65
Exons	218..295, 232..300, 310..357, 420..524, 427..537, 436..537	318..407, 320..358, 419..523,	

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o4.tw	Method	TBLASTX:Wheat
Start	435	End	781
GI	none	Score	105
Exons	435..545, 436..615, 448..615, 644..781	523..774, 612..752, 613..774,	

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o4.tm	Method	TBLASTX:Maize
Start	538	End	916
GI	none	Score	150
Exons	538..828, 538..822, 826..915,	827..916	

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o7.tm	Method	TBLASTX:Maize
Start	918	End	1334
GI	none	Score	47
Exons	918..941, 920..940, 922..993, 1014..1223, 1059..1208, 1060..1224, 1066..1227, 1070..1228, 1222..1293, 1224..1301, 1225..1293, 1233..1334	1007..1063, 1013..1192,	

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o6.tm	Method	TBLASTX:Maize
Start	6266	End	6598
GI	none	Score	234
Exons	6266..6598, 6353..6544		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o2.tm	Method	TBLASTX:Maize
Start	6710	End	7194

GI	none	Score	546
Exons	6710..7192, 6724..7011, 6830..7135, 7084..7194		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o1.tw	Method	TBLASTX:Wheat
Start	6815	End	7297
GI	none	Score	388
Exons	6815..7297, 6826..7254, 6935..7294		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o4.ts	Method	TBLASTX:Soybean
Start	6851	End	7165
GI	none	Score	236
Exons	6851..7165, 6965..7159		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o9.tm	Method	TBLASTX:Maize
Start	7195	End	7363
GI	none	Score	182
Exons	7195..7296, 7196..7360, 7196..7363		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o2.ts	Method	TBLASTX:Soybean
Start	7274	End	7606
GI	none	Score	274
Exons	7274..7606		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o3.tw	Method	TBLASTX:Wheat
Start	7349	End	7743
GI	none	Score	190
Exons	7349..7606, 7375..7581, 7585..7743, 7585..7668		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o1.tm	Method	TBLASTX:Maize
Start	7376	End	7893
GI	none	Score	253
Exons	7376..7606, 7378..7608, 7606..7893, 7608..7880		

Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o5.ts	Method	TBLASTX:Soybean
Start	7654	End	7908
GI	none	Score	219

Exons	7654..7908, 7680..7859		
Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o3.gs	Method	GENSCAN
Start	7659	End	8253
GI	none	Score	.53
Exons	7659..7834, 7843..7967, 8115..8253		
Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o5.tm	Method	TBLASTX:Maize
Start	7928	End	8305
GI	none	Score	159
Exons	7928..8068, 7931..8023, 8081..8305, 8120..8269, 8188..8283		
Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o2.tw	Method	TBLASTX:Wheat
Start	8083	End	8438
GI	none	Score	198
Exons	8083..8145, 8084..8311, 8084..8293, 8194..8310, 8325..8438, 8381..8437		
Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o1.ts	Method	TBLASTX:Soybean
Start	8307	End	8678
GI	none	Score	345
Exons	8307..8678, 8324..8677		
Seq. No.	42464	Seq. ID	OJ000223_14.0323.C22
Gene No.	88499	Strand	-
Start	7659	End	8723
Name	OJ000223_14.0323.C22.o3.tm	Method	TBLASTX:Maize
Start	8325	End	8723
GI	none	Score	456
Exons	8325..8723, 8381..8719		
Seq. No.	42465	Seq. ID	OJ000223_14.0323.C23
Gene No.	88500	Strand	+
Start	1	End	1735
Name	OJ000223_14.0323.C23.o1.np	Method	AAT/NAP
Start	1	End	1735
GI	4539658	Score	145
Exons	1..189, 416..496, 1656..1735		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	42465	Seq. ID	OJ000223_14.0323.C23
Gene No.	88500	Strand	+
Start	1	End	1735
Name	OJ000223_14.0323.C23.o3.np	Method	AAT/NAP

Start	1	End	1570
GI	3810596	Score	255
Exons	1..80, 1044..1570		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	42465	Seq. ID	OJ000223_14.0323.C23
Gene No.	88500	Strand	+
Start	1	End	1735
Name	OJ000223_14.0323.C23.o1.gs	Method	GENSCAN
Start	142	End	1677
GI	none	Score	.45
Exons	142..331, 1028..1677		

Seq. No.	42465	Seq. ID	OJ000223_14.0323.C23
Gene No.	88501	Strand	-
Start	637	End	1735
Name	OJ000223_14.0323.C23.o2.np	Method	AAT/NAP
Start	637	End	1735
GI	7339719	Score	79
Exons	637..782, 1626..1735		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	42465	Seq. ID	OJ000223_14.0323.C23
Gene No.	88501	Strand	-
Start	637	End	1735
Name	OJ000223_14.0323.C23.o1.tm	Method	TBLASTX:Maize
Start	849	End	1668
GI	none	Score	122
Exons	849..1025, 879..992, 917..1024, 1042..1341, 1071..1331, 1432..1617, 1458..1586, 1459..1614, 1627..1668		

Seq. No.	42465	Seq. ID	OJ000223_14.0323.C23
Gene No.	88501	Strand	-
Start	637	End	1735
Name	OJ000223_14.0323.C23.o1.tw	Method	TBLASTX:Wheat
Start	876	End	1384
GI	none	Score	53
Exons	876..1046, 877..987, 906..1025, 1042..1341, 1066..1341, 1139..1384, 1202..1354		

Seq. No.	42466	Seq. ID	OJ000223_17.0322.C1
Gene No.	88502	Strand	-
Start	2330	End	8056
Name	OJ000223_17.0322.C1.o1.gs	Method	GENSCAN
Start	2330	End	8056
GI	none	Score	.61
Exons	2330..3873, 3947..4333, 4526..4923, 7316..7386, 8012..8056		

Seq. No.	42466	Seq. ID	OJ000223_17.0322.C1
Gene No.	88502	Strand	-
Start	2330	End	8056
Name	OJ000223_17.0322.C1.o1.np	Method	AAT/NAP
Start	2608	End	3088
GI	4680183	Score	257
Exons	2608..3088		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	42466	Seq. ID	OJ000223_17.0322.C1
Gene No.	88502	Strand	-
Start	2330	End	8056
Name	OJ000223_17.0322.C1.o1.tw	Method	TBLASTX:Wheat
Start	2720	End	3097
GI	none	Score	190
Exons	2720..3097		

Seq. No.	42466	Seq. ID	OJ000223_17.0322.C1
Gene No.	88502	Strand	-
Start	2330	End	8056
Name	OJ000223_17.0322.C1.o1.tm	Method	TBLASTX:Maize
Start	2861	End	3130
GI	none	Score	70
Exons	2861..3130, 2862..2999		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88503	Strand	+
Start	4151	End	7706
Name	OJ000223_17.0322.C3.o1.np	Method	AAT/NAP
Start	3833	End	7703
GI	7489805	Score	2904
Exons	3833..7703		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88503	Strand	+
Start	4151	End	7706
Name	OJ000223_17.0322.C3.o2.gs	Method	GENSCAN
Start	4151	End	7706
GI	none	Score	.67
Exons	4151..5301, 5321..7706		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88504	Strand	-
Start	668	End	2093
Name	OJ000223_17.0322.C3.o1.gs	Method	GENSCAN
Start	668	End	2093
GI	none	Score	.96
Exons	668..883, 968..1033, 1270..1342, 1442..1577, 1699..1760, 1939..2093		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o3.tm	Method	TBLASTX:Maize
Start	647	End	1574
GI	none	Score	214
Exons	647..886, 657..884, 767..886, 968..1036, 968..1033, 1269..1343, 1270..1344, 1270..1344, 1271..1345, 1385..1483, 1440..1571, 1441..1569, 1441..1572, 1449..1574		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666

Name	OJ000223_17.0322.C3.o5.tw	Method	TBLASTX:Wheat
Start	4079	End	4429
GI	none	Score	79
Exons	4079..4201, 4207..4428, 4208..4429		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o1.tw	Method	TBLASTX:Wheat
Start	4634	End	5089
GI	none	Score	442
Exons	4634..5089, 4658..5029, 4660..5088		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	4762	End	5119
GI	none	Score	411
Exons	4762..5118, 4763..5119		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o4.tm	Method	TBLASTX:Maize
Start	5147	End	5477
GI	none	Score	138
Exons	5147..5290, 5150..5275, 5288..5467, 5289..5477		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o2.tw	Method	TBLASTX:Wheat
Start	5204	End	5573
GI	none	Score	81
Exons	5204..5284, 5286..5573, 5288..5467, 5289..5471		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o3.ts	Method	TBLASTX:Soybean
Start	5286	End	5582
GI	none	Score	203
Exons	5286..5582		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o2.ts	Method	TBLASTX:Soybean
Start	5847	End	6206
GI	none	Score	205
Exons	5847..6206, 5858..6205		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o3.tw	Method	TBLASTX:Wheat

Start	5849	End	6280
GI	none	Score	299
Exons	5849..6280, 5850..6272		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o5.tm	Method	TBLASTX:Maize
Start	6483	End	6750
GI	none	Score	224
Exons	6483..6749, 6535..6750, 6608..6748		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o4.tw	Method	TBLASTX:Wheat
Start	6591	End	6980
GI	none	Score	252
Exons	6591..6980, 6635..6802, 6857..6976		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o2.tm	Method	TBLASTX:Maize
Start	6750	End	7112
GI	none	Score	380
Exons	6750..7112, 6842..7054, 6936..7100		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o1.ts	Method	TBLASTX:Soybean
Start	6753	End	7127
GI	none	Score	97
Exons	6753..6896, 6782..6895, 6902..7120, 6903..7127		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o2.np	Method	AAT/NAP
Start	7559	End	14666
GI	6063557	Score	376
Exons	7559..7702, 10774..11029, 11278..11462, 14421..14666		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-
Start	7559	End	14666
Name	OJ000223_17.0322.C3.o3.gs	Method	GENSCAN
Start	8313	End	13671
GI	none	Score	.67
Exons	8313..8750, 9034..9858, 9961..10813, 10921..11056, 11322..11352, 11464..11552, 11642..11717, 11760..12329, 12360..12545, 12960..13124, 13669..13671		

Seq. No.	42467	Seq. ID	OJ000223_17.0322.C3
Gene No.	88505	Strand	-

Start	7559	End	14666
Name	OJ000223_17.0322.C3.o4.gs	Method	GENSCAN
Start	14343	End	14476
GI	none	Score	.9
Exons	14343..14476		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88506	Strand	+
Start	1	End	3546
Name	OJ000223_17.0322.C6.o1.gs	Method	GENSCAN
Start	1	End	1382
GI	none	Score	.7
Exons	1..213, 768..1042, 1056..1237, 1306..1382		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88506	Strand	+
Start	1	End	3546
Name	OJ000223_17.0322.C6.o1.np	Method	AAT/NAP
Start	1	End	3546
GI	5902444	Score	444
Exons	1..169, 754..1384, 3350..3546		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88507	Strand	+
Start	7100	End	8597
Name	OJ000223_17.0322.C6.o4.gs	Method	GENSCAN
Start	7100	End	8572
GI	none	Score	.99
Exons	7100..8572		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88507	Strand	+
Start	7100	End	8597
Name	OJ000223_17.0322.C6.o2.np	Method	AAT/NAP
Start	7145	End	8597
GI	7267604	Score	790
Exons	7145..8597		
GI Descrip.	(AL161491) putative flavonol glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88508	Strand	-
Start	3290	End	4720
Name	OJ000223_17.0322.C6.o2.gs	Method	GENSCAN
Start	3290	End	4720
GI	none	Score	.46
Exons	3290..3506, 4323..4720		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88509	Strand	-
Start	5053	End	6329
Name	OJ000223_17.0322.C6.o3.gs	Method	GENSCAN
Start	5053	End	6329
GI	none	Score	.4
Exons	5053..5205, 5301..5341, 5385..5524, 5539..5631, 5739..5830, 6228..6329		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88510	Strand	-
Start	9688	End	11964
Name	OJ000223_17.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	7637	End	8371
GI	none	Score	98
Exons	7637..7708, 7724..7822, 7907..8089, 7916..8059, 8123..8371, 8155..8313, 8183..8317		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88510	Strand	-
Start	9688	End	11964
Name	OJ000223_17.0322.C6.o1.tc	Method	TBLASTX:Cress
Start	7790	End	8446
GI	none	Score	46
Exons	7790..7822, 7844..7885, 7913..8098, 8111..8446, 8155..8313		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88510	Strand	-
Start	9688	End	11964
Name	OJ000223_17.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	7855	End	8380
GI	none	Score	44
Exons	7855..7887, 7856..7885, 7922..8080, 7922..8080, 8111..8380, 8150..8311, 8161..8313		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88510	Strand	-
Start	9688	End	11964
Name	OJ000223_17.0322.C6.o1.tw	Method	TBLASTX:Wheat
Start	8012	End	8329
GI	none	Score	54
Exons	8012..8065, 8147..8329, 8173..8313		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88510	Strand	-
Start	9688	End	11964
Name	OJ000223_17.0322.C6.o3.np	Method	AAT/NAP
Start	9297	End	9847
GI	6063557	Score	295
Exons	9297..9453, 9678..9847		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	42468	Seq. ID	OJ000223_17.0322.C6
Gene No.	88510	Strand	-
Start	9688	End	11964
Name	OJ000223_17.0322.C6.o5.gs	Method	GENSCAN
Start	9688	End	11964
GI	none	Score	.52
Exons	9688..9764, 9770..9912, 10998..11177, 11726..11964		

Seq. No.	42469	Seq. ID	OJ000223_17.0322.C7
Gene No.	88511	Strand	+
Start	1243	End	1392
Name	OJ000223_17.0322.C7.o1.gs	Method	GENSCAN
Start	1243	End	1392

GI	none	Score	.84
Exons	1243..1392		
Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88512	Strand	+
Start	962	End	16039
Name	OJ000223_17.0322.C8.o1.gs	Method	GENSCAN
Start	962	End	10053
GI	none	Score	.42
Exons	962..1391, 4186..4245, 4964..4998, 5685..5832, 6623..6909, 8374..8622, 9398..9556, 9865..10053		
Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88512	Strand	+
Start	962	End	16039
Name	OJ000223_17.0322.C8.o1.gp	Method	AAT/GAP
Start	1165	End	6841
GI	LIB3432-028-P1-K1-G8	Score	862
Exons	1165..1380, 6603..6841		
GI Descrip.	'3702327 4.0e-39 (AC005397) unknown protein [Arabidopsis thaliana]'		
Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88512	Strand	+
Start	962	End	16039
Name	OJ000223_17.0322.C8.o1.np	Method	AAT/NAP
Start	1254	End	16039
GI	3702327	Score	391
Exons	1254..1380, 6603..6870, 16017..16039		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		
Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88513	Strand	-
Start	6918	End	7484
Name	OJ000223_17.0322.C8.o2.gp	Method	AAT/GAP
Start	6918	End	7484
GI	none	Score	1102
Exons	6918..7484		
Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88514	Strand	-
Start	10478	End	10822
Name	OJ000223_17.0322.C8.o3.gp	Method	AAT/GAP
Start	10478	End	10822
GI	none	Score	690
Exons	10478..10822		
Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88515	Strand	-
Start	10819	End	13783
Name	OJ000223_17.0322.C8.o1.tc	Method	TBLASTX:Cress
Start	6600	End	6978
GI	none	Score	107
Exons	6600..6677, 6601..6708, 6604..6702, 6666..6707, 6667..6711, 6696..6869, 6711..6965, 6715..6966, 6904..6978		
Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8

Gene No.	88515	Strand	-
Start	10819	End	13783
Name	OJ000223_17.0322.C8.o2.ts	Method	TBLASTX:Soybean
Start	6736	End	6974
GI	none	Score	205
Exons	6736..6960, 6738..6926, 6915..6974		

Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88515	Strand	-
Start	10819	End	13783
Name	OJ000223_17.0322.C8.o2.tm	Method	TBLASTX:Maize
Start	6792	End	7089
GI	none	Score	151
Exons	6792..6986, 6794..6976, 6795..6986, 6799..6996, 6982..7089, 6990..7088		

Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88515	Strand	-
Start	10819	End	13783
Name	OJ000223_17.0322.C8.o1.ts	Method	TBLASTX:Soybean
Start	10805	End	13738
GI	none	Score	37
Exons	10805..10873, 10813..10884, 10837..11145, 10880..11149, 10880..11155, 10903..11160, 10995..11183, 12416..12562, 12424..12549, 12428..12565, 13009..13212, 13009..13218, 13013..13228, 13276..13434, 13288..13455, 13295..13477, 13295..13480, 13595..13738, 13595..13690, 13597..13734		

Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88515	Strand	-
Start	10819	End	13783
Name	OJ000223_17.0322.C8.o2.gs	Method	GENSCAN
Start	10819	End	13731
GI	none	Score	.7
Exons	10819..11148, 12401..12562, 13009..13209, 13291..13475, 13602..13731		

Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88515	Strand	-
Start	10819	End	13783
Name	OJ000223_17.0322.C8.o2.tc	Method	TBLASTX:Cress
Start	10819	End	11104
GI	none	Score	282
Exons	10819..11103, 10865..11104		

Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88515	Strand	-
Start	10819	End	13783
Name	OJ000223_17.0322.C8.o2.np	Method	AAT/NAP
Start	10822	End	13731
GI	7485597	Score	1201
Exons	10822..11148, 12401..12562, 13009..13209, 13291..13475, 13602..13731		
GI Descrip.	hypothetical protein F17A8.160 - Arabidopsis thaliana gi|4538911|emb|CAB39648.1| (AL049482) hypothetical protein [Arabidopsis thaliana] gi|7267676|emb|CAB78104.1| (AL161515) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88515	Strand	-
Start	10819	End	13783
Name	OJ000223_17.0322.C8.o1.tm	Method	TBLASTX:Maize
Start	10861	End	13772
GI	none	Score	321
Exons	10861..11148, 10861..11148, 10862..11149, 10865..11149, 12401..12565, 12401..12562, 12465..12587, 13009..13212, 13009..13218, 13010..13213, 13118..13228, 13279..13434, 13291..13455, 13295..13477, 13295..13480, 13500..13763, 13595..13765, 13597..13758, 13605..13772		

Seq. No.	42470	Seq. ID	OJ000223_17.0322.C8
Gene No.	88515	Strand	-
Start	10819	End	13783
Name	OJ000223_17.0322.C8.o3.tc	Method	TBLASTX:Cress
Start	13322	End	13783
GI	none	Score	147
Exons	13322..13477, 13324..13434, 13595..13783, 13597..13728		

Seq. No.	42471	Seq. ID	OJ000223_17.0322.C11
Gene No.	88516	Strand	+
Start	230	End	4345
Name	OJ000223_17.0322.C11.o1.gs	Method	GENSCAN
Start	230	End	4345
GI	none	Score	.72
Exons	230..303, 2783..2927, 3364..3390, 4238..4345		

Seq. No.	42471	Seq. ID	OJ000223_17.0322.C11
Gene No.	88516	Strand	+
Start	230	End	4345
Name	OJ000223_17.0322.C11.o1.gp	Method	AAT/GAP
Start	2622	End	3145
GI	LIB3434-038-P1-K1-F1	Score	770
Exons	2622..3145		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	42472	Seq. ID	OJ000223_17.0322.C12
Gene No.	88517	Strand	+
Start	901	End	1209
Name	OJ000223_17.0322.C12.o1.gs	Method	GENSCAN
Start	901	End	1209
GI	none	Score	.63
Exons	901..951, 1126..1209		

Seq. No.	42472	Seq. ID	OJ000223_17.0322.C12
Gene No.	88518	Strand	-
Start	3512	End	3745
Name	OJ000223_17.0322.C12.o2.gs	Method	GENSCAN
Start	3512	End	3745
GI	none	Score	.5
Exons	3512..3745		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88519	Strand	+

Start	77	End	8896
Name	OJ000223_17.0322.C14.o1.gs	Method	GENSCAN
Start	77	End	8896
GI	none	Score	.4
Exons	77..184, 2740..3041, 3318..4424, 4512..4635, 4703..4860, 5073..5237, 5324..5339, 5471..5564, 5852..7384, 8143..8277, 8876..8896		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88519	Strand	+
Start	77	End	8896
Name	OJ000223_17.0322.C14.o2.np	Method	AAT/NAP
Start	2953	End	7520
GI	2961349	Score	1611
Exons	2953..3178, 3544..3812, 4452..4745, 4775..5744, 5955..7520		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88520	Strand	+
Start	15780	End	16083
Name	OJ000223_17.0322.C14.o3.gs	Method	GENSCAN
Start	15780	End	16083
GI	none	Score	.61
Exons	15780..15929, 16066..16083		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88521	Strand	+
Start	18252	End	25954
Name	OJ000223_17.0322.C14.o4.gs	Method	GENSCAN
Start	18252	End	25954
GI	none	Score	.5
Exons	18252..18260, 20130..20249, 20468..20656, 22431..22625, 22987..23659, 24015..24139, 25568..25670, 25788..25954		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88521	Strand	+
Start	18252	End	25954
Name	OJ000223_17.0322.C14.o3.np	Method	AAT/NAP
Start	21105	End	23787
GI	7485221	Score	995
Exons	21105..21193, 22447..22724, 22987..23787		
GI Descrip.	hypothetical protein A_IG002N01.14 - Arabidopsis thaliana gi|2191135|gb|AAB61022.1| (AF007269) A_IG002N01.14 gene product [Arabidopsis thaliana] gi|7267605|emb|CAB80917.1| (AL161491) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88522	Strand	+
Start	26499	End	26732
Name	OJ000223_17.0322.C14.o5.gs	Method	GENSCAN
Start	26499	End	26732
GI	none	Score	.71
Exons	26499..26732		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88523	Strand	+

Start	33658	End	34225
Name	OJ000223_17.0322.C14.o2.gp	Method	AAT/GAP
Start	33658	End	34225
GI	uC-osroM202037g07b1	Score	600
Exons	33658..34023, 34202..34225		
GI Descrip.	'1172874/sp|Q08298|RD22_ARATH 1.0e-15 DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR >gi_479589_pir__S34823 dehydration-induced protein RD22 - Arabidopsis thaliana >gi_391608_dbj_BAA01546_ (D10703) rd22 [Arabidopsis thaliana] >gi_447134_prf__1913421A rd22 gene [Arabidopsis thaliana]'		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88524	Strand	-
Start	1	End	413
Name	OJ000223_17.0322.C14.o1.np	Method	AAT/NAP
Start	1	End	413
GI	124197	Score	118
Exons	1..21, 260..413		
GI Descrip.	TRANSLATION INITIATION FACTOR IF-1, CHLOROPLAST gi|72885|pir||FIRZ1 translation initiation factor IF-1 - rice chloroplast gi|12021|emb|CAA33930| (X15901) initiation factor 1 [Oryza sativa] gi|226642|prf||1603356BR initiation factor 1 [Oryza sativa] gi|227785|prf||1711263A initiation factor 1 [Oryza sativa]		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88525	Strand	-
Start	9475	End	14782
Name	OJ000223_17.0322.C14.o2.gs	Method	GENSCAN
Start	9475	End	14782
GI	none	Score	.5
Exons	9475..9489, 9593..9670, 9763..10143, 12167..12223, 12890..13030, 14675..14782		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88526	Strand	-
Start	27535	End	27936
Name	OJ000223_17.0322.C14.o6.gs	Method	GENSCAN
Start	27535	End	27936
GI	none	Score	.78
Exons	27535..27936		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88527	Strand	-
Start	31000	End	33110
Name	OJ000223_17.0322.C14.o4.np	Method	AAT/NAP
Start	31000	End	33110
GI	1172874	Score	280
Exons	31000..31655, 33081..33110		
GI Descrip.	DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR gi|479589|pir||S34823 dehydration-induced protein RD22 - Arabidopsis thaliana gi|391608|dbj|BAA01546| (D10703) rd22 [Arabidopsis thaliana] gi|447134|prf||1913421A rd22 gene [Arabidopsis thaliana]		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88527	Strand	-

Start	31000	End	33110
Name	OJ000223_17.0322.C14.o1.gp	Method	AAT/GAP
Start	31520	End	31768
GI	63382_1.R1084	Score	396
Exons	31520..31768		
GI Descrip.	'2804255/dbj|AB010386|AB010386 5.0e-13 Oryctolagus cuniculus mRNA for interferon gamma, complete cds'		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o10.tm	Method	TBLASTX:Maize
Start	244	End	8448
GI	none	Score	123
Exons	244..381, 253..393, 254..406, 476..496, 514..558, 515..559, 534..602, 596..670, 598..672, 598..672, 8338..8448, 8342..8443		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o5.tw	Method	TBLASTX:Wheat
Start	2829	End	34051
GI	none	Score	56
Exons	2829..2906, 31280..31372, 31281..31361, 31289..31375, 31385..31549, 33781..34050, 33782..34051		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o11.tm	Method	TBLASTX:Maize
Start	3437	End	3673
GI	none	Score	188
Exons	3437..3673, 3512..3652		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o2.tw	Method	TBLASTX:Wheat
Start	4420	End	4796
GI	none	Score	139
Exons	4420..4572, 4427..4573, 4556..4777, 4577..4780, 4611..4796		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o8.tm	Method	TBLASTX:Maize
Start	4700	End	5008
GI	none	Score	102
Exons	4700..4777, 4701..4811, 4703..4780, 4821..5003, 4831..5004, 4837..5007, 4838..5008		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o6.tc	Method	TBLASTX:Cress
Start	4850	End	5131
GI	none	Score	44

Exons	4850..4903, 4937..5131, 4963..5130		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o7.tm	Method	TBLASTX:Maize
Start	5009	End	5446
GI	none	Score	291
Exons	5009..5446		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o7.ts	Method	TBLASTX:Soybean
Start	5017	End	5416
GI	none	Score	96
Exons	5017..5112, 5018..5110, 5108..5416, 5108..5416		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o4.tw	Method	TBLASTX:Wheat
Start	5024	End	5470
GI	none	Score	285
Exons	5024..5470, 5038..5331		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o5.tc	Method	TBLASTX:Cress
Start	5267	End	5614
GI	none	Score	235
Exons	5267..5548, 5276..5614		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o3.tw	Method	TBLASTX:Wheat
Start	5476	End	5740
GI	none	Score	175
Exons	5476..5634, 5477..5614, 5604..5699, 5605..5703, 5609..5740		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o2.ts	Method	TBLASTX:Soybean
Start	5987	End	6490
GI	5509260	Score	315
Exons	5987..6400, 6118..6399, 6407..6490		
GI Descrip.	-		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o4.tc	Method	TBLASTX:Cress
Start	6118	End	6379
GI	none	Score	276

Exons	6118..6378, 6119..6379		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o1.tw	Method	TBLASTX:Wheat
Start	6161	End	6694
GI	none	Score	230
Exons	6161..6403, 6175..6288, 6407..6499, 6494..6694		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o6.tm	Method	TBLASTX:Maize
Start	6161	End	6586
GI	none	Score	201
Exons	6161..6388, 6178..6363, 6407..6586		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o6.tw	Method	TBLASTX:Wheat
Start	6695	End	7072
GI	none	Score	76
Exons	6695..6829, 6842..7072		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o5.tm	Method	TBLASTX:Maize
Start	6833	End	7453
GI	none	Score	257
Exons	6833..7255, 7120..7200, 7304..7453		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o5.ts	Method	TBLASTX:Soybean
Start	6863	End	7362
GI	none	Score	312
Exons	6863..7252, 6875..6940, 7052..7231, 7111..7362, 7304..7354		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o6.ts	Method	TBLASTX:Soybean
Start	22421	End	22730
GI	none	Score	94
Exons	22421..22726, 22443..22730, 22443..22715, 22448..22726		
Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o4.tm	Method	TBLASTX:Maize
Start	22434	End	22727
GI	none	Score	308
Exons	22434..22727, 22460..22726		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o3.tc	Method	TBLASTX:Cress
Start	22442	End	23082
GI	none	Score	97
Exons	22442..22510, 22443..22517, 22443..22511, 22519..22710, 22520..22711, 22521..22730, 22524..22730, 22525..22770, 22972..23082, 22989..23069		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o1.ts	Method	TBLASTX:Soybean
Start	22939	End	23358
GI	none	Score	393
Exons	22939..23358, 22985..23185, 23016..23336, 23065..23337		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o2.tm	Method	TBLASTX:Maize
Start	22979	End	23270
GI	none	Score	263
Exons	22979..23260, 22981..23268, 22982..23230, 22983..23270		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o1.tc	Method	TBLASTX:Cress
Start	23083	End	23757
GI	none	Score	45
Exons	23083..23115, 23115..23294, 23116..23292, 23147..23296, 23296..23475, 23301..23474, 23488..23532, 23566..23649, 23662..23757, 23664..23738		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o1.tm	Method	TBLASTX:Maize
Start	23325	End	23774
GI	none	Score	356
Exons	23325..23648, 23329..23652, 23644..23757, 23646..23765, 23672..23767, 23685..23774		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o4.ts	Method	TBLASTX:Soybean
Start	23364	End	23763
GI	none	Score	202
Exons	23364..23540, 23365..23541, 23574..23645, 23575..23643, 23588..23734, 23679..23735, 23680..23757, 23680..23763		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-

Start	33460	End	35676
Name	OJ000223_17.0322.C14.o7.tw	Method	TBLASTX:Wheat
Start	23488	End	23757
GI	none	Score	44
Exons	23488..23568, 23572..23649, 23658..23735, 23659..23757		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o8.tw	Method	TBLASTX:Wheat
Start	29683	End	29954
GI	none	Score	85
Exons	29683..29802, 29802..29954		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o9.tm	Method	TBLASTX:Maize
Start	30056	End	30351
GI	none	Score	171
Exons	30056..30253, 30057..30254, 30276..30329, 30277..30351		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o2.tc	Method	TBLASTX:Cress
Start	30991	End	34116
GI	none	Score	54
Exons	30991..31167, 31028..31084, 31118..31168, 31217..31393, 31260..31364, 31385..31540, 31562..31633, 31664..31729, 33487..33615, 33667..33774, 33788..34042, 33793..34041, 34063..34116		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o3.tm	Method	TBLASTX:Maize
Start	30991	End	34054
GI	none	Score	81
Exons	30991..31077, 31003..31158, 31004..31159, 31121..31198, 31160..31207, 31161..31241, 31262..31372, 31281..31361, 31292..31375, 31385..31552, 33466..33498, 33481..33561, 33482..33550, 33515..33553, 33577..33624, 33667..33723, 33668..33724, 33757..34053, 33782..34054		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14
Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o3.ts	Method	TBLASTX:Soybean
Start	31001	End	34245
GI	none	Score	98
Exons	31001..31168, 31006..31167, 31160..31198, 31266..31364, 31280..31363, 31385..31555, 31556..31615, 31661..31723, 33484..33561, 33577..33624, 33667..33714, 33743..34045, 33787..34056, 34057..34116, 34162..34245		

Seq. No.	42473	Seq. ID	OJ000223_17.0322.C14

Gene No.	88528	Strand	-
Start	33460	End	35676
Name	OJ000223_17.0322.C14.o5.np	Method	AAT/NAP
Start	33460	End	35676
GI	5257263	Score	328
Exons	33460..34242, 35612..35676		
GI Descrip.	(AP000364) EST AU029260(E30024) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana rd22 gene. (D10703) [Oryza sativa]		

Seq. No.	42474	Seq. ID	OJ000223_17.0322.C15
Gene No.	88529	Strand	+
Start	3	End	88
Name	OJ000223_17.0322.C15.o1.gs	Method	GENSCAN
Start	3	End	88
GI	none	Score	1
Exons	3..88		

Seq. No.	42475	Seq. ID	OJ000223_17.0322.C16
Gene No.	88530	Strand	+
Start	70	End	816
Name	OJ000223_17.0322.C16.o1.gs	Method	GENSCAN
Start	70	End	816
GI	none	Score	.56
Exons	70..123, 616..816		

Seq. No.	42476	Seq. ID	OJ000223_17.0322.C17
Gene No.	88531	Strand	-
Start	2178	End	4026
Name	OJ000223_17.0322.C17.o2.gs	Method	GENSCAN
Start	2178	End	4026
GI	none	Score	.65
Exons	2178..2305, 3301..3375, 3578..3676, 3870..4026		

Seq. No.	42476	Seq. ID	OJ000223_17.0322.C17
Gene No.	88532	Strand	-
Start	4729	End	7100
Name	OJ000223_17.0322.C17.o3.gs	Method	GENSCAN
Start	4729	End	7100
GI	none	Score	.61
Exons	4729..5168, 5182..5225, 5272..5665, 6218..6303, 6883..7100		

Seq. No.	42476	Seq. ID	OJ000223_17.0322.C17
Gene No.	88532	Strand	-
Start	4729	End	7100
Name	OJ000223_17.0322.C17.o1.np	Method	AAT/NAP
Start	4866	End	5561
GI	7488857	Score	231
Exons	4866..5561		
GI Descrip.	hypothetical protein - fava bean (fragment) gi|2522230|dbj|BAA22788.1| (AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	42477	Seq. ID	OJ000223_17.0322.C19
Gene No.	88533	Strand	+
Start	8506	End	9504
Name	OJ000223_17.0322.C19.o2.gs	Method	GENSCAN

Start	8506	End	9504
GI	none	Score	.79
Exons	8506..8509, 8593..8912, 9322..9504		

Seq. No.	42477	Seq. ID	OJ000223_17.0322.C19
Gene No.	88534	Strand	-
Start	894	End	3038
Name	OJ000223_17.0322.C19.o1.np	Method	AAT/NAP
Start	894	End	3038
GI	7523517	Score	159
Exons	894..913, 2527..2580, 2725..3038		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42477	Seq. ID	OJ000223_17.0322.C19
Gene No.	88535	Strand	-
Start	5497	End	7633
Name	OJ000223_17.0322.C19.o1.gp	Method	AAT/GAP
Start	5497	End	7633
GI	none	Score	879
Exons	5497..5518, 5582..5777, 6551..6682, 7487..7633		

Seq. No.	42478	Seq. ID	OJ000223_16.0320.C4
Gene No.	88536	Strand	+
Start	12441	End	12726
Name	OJ000223_16.0320.C4.o3.gp	Method	AAT/GAP
Start	12441	End	12726
GI	965_1.R1084	Score	200
Exons	12441..12505, 12682..12726		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	42478	Seq. ID	OJ000223_16.0320.C4
Gene No.	88537	Strand	-
Start	5440	End	8745
Name	OJ000223_16.0320.C4.o1.np	Method	AAT/NAP
Start	5440	End	8745
GI	6642670	Score	819
Exons	5440..5561, 5979..6167, 6285..6337, 6495..6595, 6668..6762, 6945..7092, 7218..7339, 8215..8339, 8421..8500, 8608..8745		
GI Descrip.	(AC015450) unknown protein [Arabidopsis thaliana]		

Seq. No.	42478	Seq. ID	OJ000223_16.0320.C4
Gene No.	88537	Strand	-
Start	5440	End	8745
Name	OJ000223_16.0320.C4.o2.gp	Method	AAT/GAP
Start	5531	End	6595
GI	LIB3432-048-P2-K1-H12	Score	619
Exons	5531..5561, 5979..6167, 6285..6337, 6495..6595		
GI Descrip.	'2144166/pir||JC5137 6.0e-19 beta-glucosidase (EC 3.2.1.21) - Bifidobacterium breve >gi_1769814_dbj_BAA19881_ (D88311) beta-D-glucosidase [Bifidobacterium breve]'		

Seq. No.	42478	Seq. ID	OJ000223_16.0320.C4
Gene No.	88537	Strand	-
Start	5440	End	8745
Name	OJ000223_16.0320.C4.o2.gs	Method	GENSCAN
Start	5661	End	8742

GI	none	Score	.69
Exons	5661..5710, 5979..6167, 6285..6337, 6495..6595, 6668..6760, 6997..7128, 7218..7406, 8608..8742		

Seq. No.	42478	Seq. ID	OJ000223_16.0320.C4
Gene No.	88538	Strand	-
Start	10114	End	12664
Name	OJ000223_16.0320.C4.o2.ts	Method	TBLASTX:Soybean
Start	5437	End	7344
GI	none	Score	124
Exons	5437..5562, 5450..5563, 5969..6121, 5977..6132, 6934..7122, 7215..7343, 7216..7344		

Seq. No.	42478	Seq. ID	OJ000223_16.0320.C4
Gene No.	88538	Strand	-
Start	10114	End	12664
Name	OJ000223_16.0320.C4.o1.ts	Method	TBLASTX:Soybean
Start	8210	End	8745
GI	none	Score	116
Exons	8210..8338, 8214..8339, 8420..8503, 8436..8498, 8605..8745, 8608..8736		

Seq. No.	42478	Seq. ID	OJ000223_16.0320.C4
Gene No.	88538	Strand	-
Start	10114	End	12664
Name	OJ000223_16.0320.C4.o1.tc	Method	TBLASTX:Cress
Start	8213	End	8736
GI	none	Score	49
Exons	8213..8290, 8297..8338, 8312..8338, 8420..8500, 8423..8494, 8605..8736, 8609..8734		

Seq. No.	42478	Seq. ID	OJ000223_16.0320.C4
Gene No.	88538	Strand	-
Start	10114	End	12664
Name	OJ000223_16.0320.C4.o3.gs	Method	GENSCAN
Start	10114	End	12664
GI	none	Score	.8
Exons	10114..10372, 12444..12664		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88539	Strand	+
Start	1	End	777
Name	OJ000223_16.0320.C5.o1.gp	Method	AAT/GAP
Start	1	End	777
GI	965_1.R1084	Score	1528
Exons	1..777		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88539	Strand	+
Start	1	End	777
Name	OJ000223_16.0320.C5.o1.gs	Method	GENSCAN
Start	20	End	571
GI	none	Score	.44
Exons	20..571		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88540	Strand	+
Start	1563	End	1953
Name	OJ000223_16.0320.C5.o2.gp	Method	AAT/GAP
Start	1563	End	1953
GI	none	Score	695
Exons	1563..1953		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o2.tw	Method	TBLASTX:Wheat
Start	1	End	220
GI	none	Score	344
Exons	1..216, 2..220		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o3.ts	Method	TBLASTX:Soybean
Start	1	End	260
GI	none	Score	374
Exons	1..252, 2..244, 114..260		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o3.tm	Method	TBLASTX:Maize
Start	2	End	598
GI	none	Score	394
Exons	2..244, 2..271, 105..272, 354..392, 494..598, 494..568		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o2.gs	Method	GENSCAN
Start	1772	End	7214
GI	none	Score	.81
Exons	1772..3034, 3159..3361, 3475..3747, 4171..4249, 4547..4690, 5382..5407, 6017..6177, 7087..7214		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o3.tc	Method	TBLASTX:Cress
Start	1778	End	2072
GI	none	Score	169
Exons	1778..1822, 1874..2071, 1881..2072		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o1.np	Method	AAT/NAP
Start	1787	End	4475
GI	6746590	Score	2570
Exons	1787..3034, 3159..3724, 4171..4261, 4336..4475		
GI Descrip.	(AF217458) heat shock protein 70 [Arabidopsis thaliana]		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o2.ts	Method	TBLASTX:Soybean
Start	1787	End	2335
GI	none	Score	340
Exons	1787..1825, 1880..2335, 1881..2267, 2063..2335		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o1.tm	Method	TBLASTX:Maize
Start	1787	End	3424
GI	none	Score	294
Exons	1787..3040, 1881..2267, 2063..3040, 2316..3041, 3154..3357, 3156..3341, 3157..3366, 3158..3367, 3207..3284, 3208..3285, 3327..3383, 3346..3381, 3380..3424		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o1.tw	Method	TBLASTX:Wheat
Start	2024	End	4224
GI	none	Score	44
Exons	2024..2173, 2104..2151, 2154..2267, 2168..2572, 2189..2533, 2522..2602, 2522..2599, 2607..2723, 2612..2800, 2837..3040, 2897..3040, 2988..3041, 3156..3230, 3157..3219, 3240..3380, 3265..3381, 3395..3469, 3467..3658, 3500..3658, 4177..4224		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o2.tc	Method	TBLASTX:Cress
Start	2072	End	2542
GI	none	Score	169
Exons	2072..2542, 2076..2267, 2194..2535, 2316..2537		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o3.gp	Method	AAT/GAP
Start	2072	End	3026
GI	701_1.R1084	Score	1887
Exons	2072..3026		
GI Descrip.	'4467097/emb|CAB37531| 1.0e-23 (AL035538) heat shock protein 70 like protein [Arabidopsis thaliana]'		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o1.ts	Method	TBLASTX:Soybean
Start	2378	End	4254
GI	none	Score	168
Exons	2378..2398, 2397..2537, 2402..2566, 2408..2554, 2535..2969, 2558..3040, 2707..3039, 2772..3041, 3156..3383, 3156..3383, 3157..3384, 3378..3722, 3380..3727, 4171..4254, 4172..4252		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o1.tc	Method	TBLASTX:Cress
Start	2624	End	3593
GI	none	Score	308
Exons	2624..3040, 2625..3041, 3154..3384, 3156..3383, 3159..3398, 3378..3593, 3380..3589		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o2.tm	Method	TBLASTX:Maize
Start	3473	End	4382
GI	none	Score	362
Exons	3473..3727, 3474..3725, 3511..3726, 4171..4266, 4172..4252, 4344..4382		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o4.gp	Method	AAT/GAP
Start	3598	End	4675
GI	4878128	Score	731
Exons	3598..3724, 4171..4249, 4336..4406, 4547..4675		
GI Descrip.	4467097/emb|CAB37531| 1.0e-23 (AL035538) heat shock protein 70 like protein [Arabidopsis thaliana]		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o2.np	Method	AAT/NAP
Start	4599	End	5965
GI	539030	Score	72
Exons	4599..4748, 4823..4857, 5810..5965		
GI Descrip.	cysteine-rich extensin-like protein 2 precursor - common tobacco gi|310925 (L13440) cysteine-rich extensin-like protein-2 [Nicotiana tabacum]		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o4.np	Method	AAT/NAP
Start	6009	End	7216
GI	7239228	Score	195
Exons	6009..6155, 6341..6578, 6781..6940, 7036..7216		
GI Descrip.	(AF217958) cinnamoyl CoA reductase; CCR [Populus tremuloides]		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o4.ts	Method	TBLASTX:Soybean
Start	6042	End	7215
GI	none	Score	124
Exons	6042..6179, 6378..6497, 6496..6561, 6759..6941, 6773..6943, 6773..6943, 7024..7107, 7116..7214, 7120..7215		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o3.np	Method	AAT/NAP
Start	6048	End	7216
GI	2459448	Score	406
Exons	6048..6177, 6379..6575, 6775..6940, 7036..7216		
GI Descrip.	(AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	42479	Seq. ID	OJ000223_16.0320.C5
Gene No.	88541	Strand	-
Start	1772	End	7216
Name	OJ000223_16.0320.C5.o4.tm	Method	TBLASTX:Maize
Start	6048	End	7214
GI	none	Score	90
Exons	6048..6146, 6387..6497, 6496..6567, 6785..6943, 6792..6938, 7027..7107, 7114..7212, 7116..7214		

Seq. No.	42480	Seq. ID	OJ000223_16.0320.C6
Gene No.	88542	Strand	-
Start	1	End	2689
Name	OJ000223_16.0320.C6.o1.np	Method	AAT/NAP
Start	1	End	2689
GI	2459446	Score	278
Exons	1..82, 202..393, 2362..2527, 2639..2689		
GI Descrip.	(AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	42480	Seq. ID	OJ000223_16.0320.C6
Gene No.	88542	Strand	-
Start	1	End	2689
Name	OJ000223_16.0320.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2530
GI	none	Score	94
Exons	1..105, 218..391, 2360..2530, 2361..2528		

Seq. No.	42480	Seq. ID	OJ000223_16.0320.C6
Gene No.	88542	Strand	-
Start	1	End	2689
Name	OJ000223_16.0320.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	2530
GI	none	Score	79
Exons	1..138, 218..394, 221..394, 2360..2530, 2412..2528		

Seq. No.	42480	Seq. ID	OJ000223_16.0320.C6
Gene No.	88542	Strand	-
Start	1	End	2689
Name	OJ000223_16.0320.C6.o1.gs	Method	GENSCAN
Start	110	End	1307
GI	none	Score	.7
Exons	110..393, 1262..1307		

Seq. No.	42480	Seq. ID	OJ000223_16.0320.C6
Gene No.	88542	Strand	-
Start	1	End	2689

Name	OJ000223_16.0320.C6.o2.gs	Method	GENSCAN
Start	2324	End	2527
GI	none	Score	.96
Exons	2324..2527		

Seq. No.	42481	Seq. ID	OJ000223_16.0320.C7
Gene No.	88543	Strand	-
Start	1	End	761
Name	OJ000223_16.0320.C7.o1.np	Method	AAT/NAP
Start	1	End	741
GI	2459446	Score	362
Exons	1..22, 84..266, 350..522, 621..741		
GI Descrip.	(AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	42481	Seq. ID	OJ000223_16.0320.C7
Gene No.	88543	Strand	-
Start	1	End	761
Name	OJ000223_16.0320.C7.o1.tm	Method	TBLASTX:Maize
Start	73	End	718
GI	none	Score	178
Exons	73..267, 80..226, 84..272, 353..520, 354..533, 490..537, 619..675, 622..717, 623..718		

Seq. No.	42481	Seq. ID	OJ000223_16.0320.C7
Gene No.	88543	Strand	-
Start	1	End	761
Name	OJ000223_16.0320.C7.o1.ts	Method	TBLASTX:Soybean
Start	84	End	718
GI	none	Score	137
Exons	84..266, 106..267, 353..514, 357..485, 622..717, 623..718		

Seq. No.	42481	Seq. ID	OJ000223_16.0320.C7
Gene No.	88543	Strand	-
Start	1	End	761
Name	OJ000223_16.0320.C7.o1.tc	Method	TBLASTX:Cress
Start	123	End	718
GI	none	Score	70
Exons	123..266, 151..258, 350..523, 351..524, 622..717, 623..718		

Seq. No.	42481	Seq. ID	OJ000223_16.0320.C7
Gene No.	88543	Strand	-
Start	1	End	761
Name	OJ000223_16.0320.C7.o1.gp	Method	AAT/GAP
Start	151	End	761
GI	701844	Score	768
Exons	151..269, 353..522, 621..761		
GI Descrip.	2459446 4.0e-26 (AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	42481	Seq. ID	OJ000223_16.0320.C7
Gene No.	88543	Strand	-
Start	1	End	761
Name	OJ000223_16.0320.C7.o1.gs	Method	GENSCAN
Start	353	End	750
GI	none	Score	.98
Exons	353..522, 621..750		

Seq. No.	42481	Seq. ID	OJ000223_16.0320.C7
Gene No.	88543	Strand	-
Start	1	End	761
Name	OJ000223_16.0320.C7.o1.tw	Method	TBLASTX:Wheat
Start	353	End	718
GI	none	Score	78
Exons	353..529, 354..470, 380..523, 625..675, 625..717, 635..718		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88544	Strand	+
Start	2737	End	10242
Name	OJ000223_16.0320.C8.o1.gp	Method	AAT/GAP
Start	2737	End	3202
GI	2427720	Score	877
Exons	2737..3202		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88544	Strand	+
Start	2737	End	10242
Name	OJ000223_16.0320.C8.o1.np	Method	AAT/NAP
Start	3099	End	6775
GI	7485570	Score	378
Exons	3099..3594, 4092..4163, 4605..4747, 4976..5137, 5500..5615, 6670..6775		
GI Descrip.	hypothetical protein F16J13.150 - Arabidopsis thaliana gi|4586113|emb|CAB40949.1| (AL049638) putative DNA-binding protein [Arabidopsis thaliana] gi|7267909|emb|CAB78251.1| (AL161533) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88544	Strand	+
Start	2737	End	10242
Name	OJ000223_16.0320.C8.o1.gs	Method	GENSCAN
Start	3132	End	9931
GI	none	Score	.44
Exons	3132..3594, 4083..4135, 4616..4747, 4976..5137, 5500..5677, 5691..5836, 6673..7095, 8273..8402, 9489..9931		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88544	Strand	+
Start	2737	End	10242
Name	OJ000223_16.0320.C8.o2.gp	Method	AAT/GAP
Start	3502	End	5155
GI	LIB3433-031-P1-K1-E11	Score	726
Exons	3502..3594, 4083..4135, 4616..4747, 4976..5155		
GI Descrip.	'2459442 6.0e-39 (AC002332) putative DNA-binding protein PD1 [Arabidopsis thaliana]'		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88544	Strand	+
Start	2737	End	10242
Name	OJ000223_16.0320.C8.o3.gp	Method	AAT/GAP
Start	5605	End	6090
GI	none	Score	866
Exons	5605..6090		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88544	Strand	+
Start	2737	End	10242
Name	OJ000223_16.0320.C8.o2.np	Method	AAT/NAP
Start	6916	End	10242
GI	2262166	Score	421
Exons	6916..7095, 8273..8409, 10167..10242		
GI Descrip.	(AC002329) unknown protein [Arabidopsis thaliana]		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88544	Strand	+
Start	2737	End	10242
Name	OJ000223_16.0320.C8.o4.gp	Method	AAT/GAP
Start	7726	End	8280
GI	none	Score	1078
Exons	7726..8280		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88545	Strand	+
Start	11559	End	12984
Name	OJ000223_16.0320.C8.o2.gs	Method	GENSCAN
Start	11559	End	12662
GI	none	Score	.99
Exons	11559..12662		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88545	Strand	+
Start	11559	End	12984
Name	OJ000223_16.0320.C8.o3.np	Method	AAT/NAP
Start	11559	End	12682
GI	6729542	Score	423
Exons	11559..12682		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88545	Strand	+
Start	11559	End	12984
Name	OJ000223_16.0320.C8.o5.gp	Method	AAT/GAP
Start	12094	End	12984
GI	17145_1.R1084	Score	1720
Exons	12094..12984		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88546	Strand	+
Start	14177	End	16858
Name	OJ000223_16.0320.C8.o3.gs	Method	GENSCAN
Start	14177	End	16858
GI	none	Score	.64
Exons	14177..14577, 14755..15235, 15797..16858		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88546	Strand	+
Start	14177	End	16858
Name	OJ000223_16.0320.C8.o6.gp	Method	AAT/GAP
Start	14257	End	14958

GI	uC-osroM202023g10b1	Score	1010
Exons	14257..14577, 14755..14958		
GI Descrip.	'2673907 4.0e-09 (AC002561) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88547	Strand	+
Start	18160	End	18704
Name	OJ000223_16.0320.C8.o7.gp	Method	AAT/GAP
Start	18160	End	18704
GI	uC-osrocyp003c06a1	Score	529
Exons	18160..18498, 18682..18704		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88548	Strand	+
Start	19467	End	20495
Name	OJ000223_16.0320.C8.o5.gs	Method	GENSCAN
Start	19467	End	20495
GI	none	Score	.95
Exons	19467..20495		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88548	Strand	+
Start	19467	End	20495
Name	OJ000223_16.0320.C8.o4.np	Method	AAT/NAP
Start	19493	End	20480
GI	1143381	Score	465
Exons	19493..20480		
GI Descrip.	(Z49063) polygalacturonase inhibitor [Actinidia deliciosa]		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88549	Strand	+
Start	25487	End	26032
Name	OJ000223_16.0320.C8.o8.gs	Method	GENSCAN
Start	25487	End	26029
GI	none	Score	.96
Exons	25487..26029		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88549	Strand	+
Start	25487	End	26032
Name	OJ000223_16.0320.C8.o5.np	Method	AAT/NAP
Start	25490	End	26032
GI	6729536	Score	142
Exons	25490..25616, 25647..25721, 25788..26032		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88550	Strand	+
Start	27101	End	33371
Name	OJ000223_16.0320.C8.o9.gs	Method	GENSCAN
Start	27101	End	33371
GI	none	Score	.59
Exons	27101..27172, 28103..28345, 28436..28539, 28815..29379, 29906..29957, 30158..30312, 30972..31094, 31439..31533,		

31704..31849, 32878..33371

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88550	Strand	+
Start	27101	End	33371
Name	OJ000223_16.0320.C8.o9.gp	Method	AAT/GAP
Start	30790	End	31216
GI	4878407	Score	660
Exons	30790..31216		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88551	Strand	-
Start	18097	End	19036
Name	OJ000223_16.0320.C8.o4.gs	Method	GENSCAN
Start	18097	End	19036
GI	none	Score	.88
Exons	18097..18110, 18794..18857, 18974..19036		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88551	Strand	-
Start	18097	End	19036
Name	OJ000223_16.0320.C8.o8.gp	Method	AAT/GAP
Start	18405	End	19001
GI	uC-osrocyp003c06a1	Score	316
Exons	18405..18496, 18794..18857, 18974..19001		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o7.tm	Method	TBLASTX:Maize
Start	3350	End	5674
GI	none	Score	64
Exons	3350..3436, 3352..3405, 3399..3434, 3488..3580, 3549..3611, 4078..4137, 4082..4162, 4613..4747, 4615..4749, 4615..4746, 4677..4748, 5496..5549, 5497..5544, 5607..5639, 5612..5674		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o3.tm	Method	TBLASTX:Maize
Start	4964	End	5148
GI	none	Score	148
Exons	4964..5065, 4970..5137, 4971..5138, 4972..5142, 4972..5148		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o6.tm	Method	TBLASTX:Maize
Start	6912	End	8534
GI	none	Score	194
Exons	6912..7028, 6916..7095, 8255..8452, 8272..8451, 8457..8534		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8

Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o3.tc	Method	TBLASTX:Cress
Start	6915	End	8458
GI	none	Score	170
Exons	6915..7028, 6916..7095, 8252..8458, 8275..8454		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o1.tc	Method	TBLASTX:Cress
Start	11558	End	11851
GI	none	Score	123
Exons	11558..11638, 11559..11663, 11670..11846, 11714..11851		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o2.ts	Method	TBLASTX:Soybean
Start	11559	End	12290
GI	none	Score	41
Exons	11559..11594, 11592..11663, 11670..11846, 11714..11848, 11886..11909, 12111..12200, 12237..12290		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o4.tm	Method	TBLASTX:Maize
Start	11667	End	12062
GI	none	Score	262
Exons	11667..11846, 11714..11896, 11732..11911, 11886..11924, 12027..12062		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o1.tm	Method	TBLASTX:Maize
Start	12063	End	12470
GI	none	Score	358
Exons	12063..12347, 12098..12352, 12111..12353, 12327..12461, 12330..12470, 12335..12469		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o5.tm	Method	TBLASTX:Maize
Start	14189	End	14389
GI	none	Score	251
Exons	14189..14389, 14191..14388		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o1.ts	Method	TBLASTX:Soybean
Start	19566	End	20477
GI	none	Score	102
Exons	19566..19667, 19767..19901, 19800..19910, 19812..19907,		

19817..19903, 19908..19988, 19910..19975, 19935..20000,
20082..20165, 20090..20125, 20190..20345, 20216..20317,
20349..20477, 20422..20457

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o2.tm	Method	TBLASTX:Maize
Start	19566	End	20483
GI	none	Score	74
Exons	19566..19661, 19647..19670, 19752..19859, 19770..19907, 19812..19919, 19931..20143, 19977..20123, 20007..20114, 20013..20051, 20132..20182, 20133..20183, 20136..20174, 20142..20174, 20187..20336, 20189..20332, 20280..20396, 20289..20318, 20349..20483, 20384..20482		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o2.tc	Method	TBLASTX:Cress
Start	19566	End	20477
GI	none	Score	111
Exons	19566..19667, 19977..20051, 20004..20123, 20055..20141, 20190..20477		

Seq. No.	42482	Seq. ID	OJ000223_16.0320.C8
Gene No.	88552	Strand	-
Start	22631	End	23953
Name	OJ000223_16.0320.C8.o7.gs	Method	GENSCAN
Start	22631	End	23953
GI	none	Score	.5
Exons	22631..22658, 22760..23136, 23293..23494, 23931..23953		

Seq. No.	42483	Seq. ID	OJ000223_16.0320.C9
Gene No.	88553	Strand	+
Start	281	End	595
Name	OJ000223_16.0320.C9.o1.gs	Method	GENSCAN
Start	281	End	595
GI	none	Score	.73
Exons	281..595		

Seq. No.	42483	Seq. ID	OJ000223_16.0320.C9
Gene No.	88554	Strand	+
Start	3045	End	7615
Name	OJ000223_16.0320.C9.o3.gs	Method	GENSCAN
Start	3045	End	7615
GI	none	Score	.6
Exons	3045..3066, 3269..3355, 4281..4601, 7230..7615		

Seq. No.	42483	Seq. ID	OJ000223_16.0320.C9
Gene No.	88555	Strand	-
Start	1856	End	2095
Name	OJ000223_16.0320.C9.o2.gs	Method	GENSCAN
Start	1856	End	2095
GI	none	Score	.91
Exons	1856..1993, 2066..2095		

Seq. No.	42484	Seq. ID	OJ000223_16.0320.C10
Gene No.	88556	Strand	-
Start	261	End	408
Name	OJ000223_16.0320.C10.o1.gs	Method	GENSCAN
Start	261	End	408
GI	none	Score	.43
Exons	261..408		

Seq. No.	42485	Seq. ID	OJ000223_16.0320.C11
Gene No.	88557	Strand	+
Start	5357	End	8407
Name	OJ000223_16.0320.C11.o1.np	Method	AAT/NAP
Start	5357	End	8407
GI	5931788	Score	786
Exons	5357..5478, 7337..7473, 7560..8407		
GI Descrip.	(AJ011619) SBP-domain protein 6 [Zea mays]		

Seq. No.	42485	Seq. ID	OJ000223_16.0320.C11
Gene No.	88558	Strand	-
Start	3356	End	3681
Name	OJ000223_16.0320.C11.o1.gs	Method	GENSCAN
Start	3356	End	3681
GI	none	Score	.8
Exons	3356..3393, 3519..3681		

Seq. No.	42485	Seq. ID	OJ000223_16.0320.C11
Gene No.	88559	Strand	
Start	5330	End	5479
Name	OJ000223_16.0320.C11.o3.tm	Method	TBLASTX:Maize
Start	5330	End	5479
GI	none	Score	81
Exons	5330..5389, 5341..5382, 5384..5479, 5386..5478		

Seq. No.	42485	Seq. ID	OJ000223_16.0320.C11
Gene No.	88560	Strand	
Start	7333	End	7693
Name	OJ000223_16.0320.C11.o1.tm	Method	TBLASTX:Maize
Start	7333	End	7693
GI	none	Score	203
Exons	7333..7470, 7335..7466, 7335..7499, 7336..7500, 7519..7635, 7556..7645, 7558..7641, 7566..7661, 7651..7692, 7652..7693		

Seq. No.	42485	Seq. ID	OJ000223_16.0320.C11
Gene No.	88561	Strand	
Start	7755	End	8224
Name	OJ000223_16.0320.C11.o2.tm	Method	TBLASTX:Maize
Start	7755	End	8224
GI	none	Score	90
Exons	7755..7889, 7771..7899, 7789..7899, 7790..7918, 7796..7909, 7893..7922, 7898..8113, 7899..7946, 7942..8091, 8040..8102, 8102..8224, 8108..8173		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88562	Strand	+
Start	44	End	4342
Name	OJ000303_19.0327.C2.o1.gs	Method	GENSCAN
Start	44	End	4342

GI	none	Score	.45
Exons	44..416, 664..902, 1540..1797, 1901..2093, 4278..4342		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88562	Strand	+
Start	44	End	4342
Name	OJ000303_19.0327.C2.o1.gp	Method	AAT/GAP
Start	252	End	1794
GI	none	Score	1556
Exons	252..505, 582..902, 1540..1794		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88563	Strand	+
Start	6767	End	9086
Name	OJ000303_19.0327.C2.o1.np	Method	AAT/NAP
Start	6767	End	9086
GI	218179	Score	1604
Exons	6767..6819, 7340..7459, 7555..7653, 7759..7896, 8001..8135, 8219..8398, 8486..8692, 8769..8888, 8962..9086		
GI Descrip.	(D10207) H-ATPase [Oryza sativa] gi|444339|prf||1906387A H ATPase [Oryza sativa]		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88563	Strand	+
Start	6767	End	9086
Name	OJ000303_19.0327.C2.o3.gs	Method	GENSCAN
Start	7585	End	8888
GI	none	Score	.84
Exons	7585..7653, 7759..7896, 8001..8135, 8219..8398, 8486..8692, 8769..8888		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88563	Strand	+
Start	6767	End	9086
Name	OJ000303_19.0327.C2.o2.gp	Method	AAT/GAP
Start	8824	End	9086
GI	911_1.R1084	Score	340
Exons	8824..8888, 8962..9086		
GI Descrip.	'5882748/gb|AAD55301.1|AC008263_32 3.0e-46 (AC008263) Contains 2 PF_01535 DUF domains. [Arabidopsis thaliana]'		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88564	Strand	-
Start	6843	End	7229
Name	OJ000303_19.0327.C2.o3.ts	Method	TBLASTX:Soybean
Start	41	End	680
GI	none	Score	68
Exons	41..142, 42..152, 43..156, 44..223, 296..409, 389..508, 413..481, 459..524, 581..679, 582..680		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88564	Strand	-
Start	6843	End	7229
Name	OJ000303_19.0327.C2.o3.tm	Method	TBLASTX:Maize
Start	110	End	496
GI	none	Score	148
Exons	110..265, 110..265, 268..339, 281..346, 344..496, 350..481		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88564	Strand	-
Start	6843	End	7229
Name	OJ000303_19.0327.C2.o2.tm	Method	TBLASTX:Maize
Start	650	End	1850
GI	none	Score	368
Exons	650..904, 651..905, 1525..1833, 1529..1834, 1537..1845, 1539..1850		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88564	Strand	-
Start	6843	End	7229
Name	OJ000303_19.0327.C2.o2.gs	Method	GENSCAN
Start	6843	End	7229
GI	none	Score	.42
Exons	6843..7229		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88565	Strand	
Start	7307	End	9081
Name	OJ000303_19.0327.C2.o2.ts	Method	TBLASTX:Soybean
Start	7307	End	8057
GI	none	Score	147
Exons	7307..7477, 7340..7459, 7552..7650, 7553..7651, 7554..7652, 7554..7652, 7758..7829, 7759..7839, 7768..7896, 7773..7886, 8004..8057, 8006..8056		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88565	Strand	
Start	7307	End	9081
Name	OJ000303_19.0327.C2.o1.tc	Method	TBLASTX:Cress
Start	7339	End	9081
GI	none	Score	154
Exons	7339..7455, 7340..7459, 7346..7483, 7547..7648, 7552..7704, 7553..7648, 7720..7899, 7767..7898, 7998..8135, 8000..8134, 8011..8148, 8218..8397, 8218..8400, 8228..8401, 8483..8701, 8485..8712, 8497..8721, 8766..8891, 8768..8890, 8926..9081, 8931..9080		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88565	Strand	
Start	7307	End	9081
Name	OJ000303_19.0327.C2.o1.tm	Method	TBLASTX:Maize
Start	7362	End	9081
GI	none	Score	90
Exons	7362..7460, 7379..7477, 7382..7483, 7547..7612, 7552..7653, 7552..7650, 7758..7829, 7759..7902, 7762..7899, 7994..8113, 7998..8135, 8000..8131, 8212..8400, 8217..8312, 8228..8401, 8285..8401, 8482..8700, 8483..8701, 8766..8891, 8768..8890, 8926..9081, 8961..9080		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88565	Strand	
Start	7307	End	9081
Name	OJ000303_19.0327.C2.o2.tw	Method	TBLASTX:Wheat
Start	7546	End	8347

GI	none	Score	63
Exons	7546..7653, 7566..7646, 7599..7667, 7783..7833, 7786..7899, 7788..7898, 7998..8135, 8000..8134, 8080..8139, 8218..8346, 8228..8347		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88565	Strand	
Start	7307	End	9081
Name	OJ000303_19.0327.C2.o1.ts	Method	TBLASTX:Soybean
Start	8058	End	9081
GI	none	Score	119
Exons	8058..8135, 8063..8134, 8218..8238, 8218..8400, 8228..8401, 8483..8701, 8485..8700, 8498..8713, 8580..8702, 8766..8891, 8768..8890, 8926..9081, 8931..9080, 8956..9081		

Seq. No.	42486	Seq. ID	OJ000303_19.0327.C2
Gene No.	88565	Strand	
Start	7307	End	9081
Name	OJ000303_19.0327.C2.o1.tw	Method	TBLASTX:Wheat
Start	8350	End	8891
GI	none	Score	84
Exons	8350..8400, 8351..8401, 8482..8691, 8483..8701, 8483..8743, 8766..8891, 8768..8890		

Seq. No.	42487	Seq. ID	OJ000303_19.0327.C3
Gene No.	88566	Strand	+
Start	1	End	1869
Name	OJ000303_19.0327.C3.o1.gp	Method	AAT/GAP
Start	1	End	1350
GI	911_1.R1084	Score	886
Exons	1..226, 427..571, 1015..1179, 1276..1350		
GI Descrip.	'5882748/gb|AAD55301.1|AC008263_32 3.0e-46 (AC008263) Contains 2 PF_01535 DUF domains. [Arabidopsis thaliana]'		

Seq. No.	42487	Seq. ID	OJ000303_19.0327.C3
Gene No.	88566	Strand	+
Start	1	End	1869
Name	OJ000303_19.0327.C3.o1.np	Method	AAT/NAP
Start	1	End	1869
GI	6759599	Score	936
Exons	1..56, 87..226, 427..571, 1015..1179, 1276..1514, 1601..1637, 1789..1869		
GI Descrip.	(AJ271439) plasma membrane H+ ATPase [Prunus persica]		

Seq. No.	42487	Seq. ID	OJ000303_19.0327.C3
Gene No.	88566	Strand	+
Start	1	End	1869
Name	OJ000303_19.0327.C3.o1.tm	Method	TBLASTX:Maize
Start	92	End	1629
GI	none	Score	168
Exons	92..226, 115..222, 118..228, 119..226, 376..570, 407..571, 426..572, 426..575, 427..573, 994..1029, 1011..1178, 1012..1128, 1013..1177, 1262..1513, 1263..1517, 1593..1628, 1594..1629		

Seq. No.	42487	Seq. ID	OJ000303_19.0327.C3
Gene No.	88566	Strand	+
Start	1	End	1869

Name	OJ000303_19.0327.C3.o1.ts	Method	TBLASTX:Soybean
Start	110	End	1647
GI	none	Score	109
Exons	110..226, 129..200, 412..567, 425..568, 426..569, 426..575, 427..573, 1011..1178, 1013..1177, 1246..1353, 1262..1513, 1263..1589, 1601..1639, 1603..1647		

Seq. No.	42487	Seq. ID	OJ000303_19.0327.C3
Gene No.	88566	Strand	+
Start	1	End	1869
Name	OJ000303_19.0327.C3.o2.tc	Method	TBLASTX:Cress
Start	115	End	575
GI	none	Score	111
Exons	115..219, 119..229, 373..573, 425..574, 426..569, 426..575, 430..573		

Seq. No.	42487	Seq. ID	OJ000303_19.0327.C3
Gene No.	88566	Strand	+
Start	1	End	1869
Name	OJ000303_19.0327.C3.o1.gs	Method	GENSCAN
Start	122	End	1514
GI	none	Score	.84
Exons	122..226, 427..571, 1015..1179, 1276..1514		

Seq. No.	42487	Seq. ID	OJ000303_19.0327.C3
Gene No.	88566	Strand	+
Start	1	End	1869
Name	OJ000303_19.0327.C3.o1.tw	Method	TBLASTX:Wheat
Start	164	End	1641
GI	none	Score	80
Exons	164..226, 172..219, 408..593, 424..627, 426..572, 427..573, 1011..1178, 1012..1119, 1013..1177, 1245..1511, 1262..1513, 1263..1517, 1414..1530, 1595..1636, 1600..1641		

Seq. No.	42487	Seq. ID	OJ000303_19.0327.C3
Gene No.	88566	Strand	+
Start	1	End	1869
Name	OJ000303_19.0327.C3.o1.tc	Method	TBLASTX:Cress
Start	1016	End	1631
GI	none	Score	234
Exons	1016..1177, 1017..1178, 1248..1517, 1262..1519, 1263..1550, 1605..1631		

Seq. No.	42487	Seq. ID	OJ000303_19.0327.C3
Gene No.	88566	Strand	+
Start	1	End	1869
Name	OJ000303_19.0327.C3.o2.gp	Method	AAT/GAP
Start	1434	End	1633
GI	5752_1.R1084	Score	179
Exons	1434..1514, 1601..1633		
GI Descrip.	'633110/dbj|BAA06629| 4.0e-85 (D31843) plasma membrane H+-ATPase [Oryza sativa]'		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88567	Strand	+
Start	1	End	1768
Name	OJ000303_19.0327.C4.o1.np	Method	AAT/NAP

Start	1	End	1517
GI	218179	Score	1089
Exons	1..298, 460..645, 738..920, 1007..1185, 1424..1517		
GI Descrip.	(D10207) H-ATPase [Oryza sativa] gi|444339|prf||1906387A H ATPase [Oryza sativa]		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88567	Strand	+
Start	1	End	1768
Name	OJ000303_19.0327.C4.o1.gp	Method	AAT/GAP
Start	128	End	774
GI	5752_1.R1084	Score	858
Exons	128..298, 460..774		
GI Descrip.	'633110/dbj|BAA06629| 4.0e-85 (D31843) plasma membrane H+-ATPase [Oryza sativa]'		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88567	Strand	+
Start	1	End	1768
Name	OJ000303_19.0327.C4.o1.gs	Method	GENSCAN
Start	146	End	1520
GI	none	Score	.97
Exons	146..298, 460..645, 738..920, 1007..1185, 1424..1520		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88567	Strand	+
Start	1	End	1768
Name	OJ000303_19.0327.C4.o2.gp	Method	AAT/GAP
Start	831	End	1768
GI	4929_1.R1084	Score	1108
Exons	831..920, 1007..1185, 1424..1768		
GI Descrip.	'218179/dbj|BAA01058| 2.0e-47 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88568	Strand	+
Start	2574	End	6516
Name	OJ000303_19.0327.C4.o1.tm	Method	TBLASTX:Maize
Start	136	End	1545
GI	none	Score	288
Exons	136..345, 137..346, 454..609, 458..613, 461..643, 471..644, 573..644, 737..919, 737..919, 738..923, 1004..1216, 1006..1113, 1056..1139, 1076..1156, 1402..1527, 1421..1528, 1421..1528, 1422..1544, 1423..1545		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88568	Strand	+
Start	2574	End	6516
Name	OJ000303_19.0327.C4.o1.ts	Method	TBLASTX:Soybean
Start	136	End	1520
GI	none	Score	284
Exons	136..324, 137..346, 137..343, 454..609, 471..638, 494..661, 576..641, 731..919, 737..919, 738..923, 738..920, 1004..1216, 1006..1113, 1079..1156, 1422..1520		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88568	Strand	+

Start	2574	End	6516
Name	OJ000303_19.0327.C4.o2.tw	Method	TBLASTX:Wheat
Start	136	End	648
GI	none	Score	243
Exons	136..294, 137..295, 139..312, 487..609, 519..647, 520..648		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88568	Strand	+
Start	2574	End	6516
Name	OJ000303_19.0327.C4.o2.tc	Method	TBLASTX:Cress
Start	136	End	1529
GI	none	Score	250
Exons	136..294, 137..295, 1421..1522, 1422..1529		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88568	Strand	+
Start	2574	End	6516
Name	OJ000303_19.0327.C4.o1.tc	Method	TBLASTX:Cress
Start	505	End	1069
GI	none	Score	129
Exons	505..609, 531..647, 576..647, 738..923, 740..922, 1004..1069, 1009..1068		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88568	Strand	+
Start	2574	End	6516
Name	OJ000303_19.0327.C4.o1.tw	Method	TBLASTX:Wheat
Start	738	End	1102
GI	none	Score	248
Exons	738..920, 738..917, 1006..1095, 1006..1101, 1010..1102		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88568	Strand	+
Start	2574	End	6516
Name	OJ000303_19.0327.C4.o2.tm	Method	TBLASTX:Maize
Start	2571	End	3623
GI	none	Score	38
Exons	2571..2639, 2703..2852, 2723..2851, 2739..2855, 2777..2860, 2967..3023, 2968..3027, 3122..3175, 3123..3173, 3146..3235, 3147..3236, 3352..3450, 3363..3449, 3375..3455, 3513..3623, 3521..3619		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88568	Strand	+
Start	2574	End	6516
Name	OJ000303_19.0327.C4.o2.gs	Method	GENSCAN
Start	2574	End	6248
GI	none	Score	.81
Exons	2574..2849, 3534..3668, 4328..4399, 4465..4564, 5160..5242, 5727..5825, 6126..6248		

Seq. No.	42488	Seq. ID	OJ000303_19.0327.C4
Gene No.	88568	Strand	+
Start	2574	End	6516
Name	OJ000303_19.0327.C4.o2.np	Method	AAT/NAP
Start	2727	End	6516
GI	7469692	Score	432

Exons	2727..2849, 2968..3027, 3123..3236, 3364..3444, 3534..3668, 3760..3898, 4446..4773, 5896..5987, 6074..6130, 6207..6248, 6469..6516
GI Descrip.	hypothetical protein - Synechocystis sp. (strain PCC 6803) gi|1208454|dbj|BAA10622.1| (D64004) hypothetical protein [Synechocystis sp.]

Seq. No.	42489	Seq. ID	OJ000303_19.0327.C5
Gene No.	88569	Strand	+
Start	1	End	1234
Name	OJ000303_19.0327.C5.o1.np	Method	AAT/NAP
Start	1	End	1234
GI	5882748	Score	1231
Exons	1..80, 176..1234		
GI Descrip.	(AC008263) Contains 2 PF|01535 DUF domains. [Arabidopsis thaliana]		

Seq. No.	42489	Seq. ID	OJ000303_19.0327.C5
Gene No.	88569	Strand	+
Start	1	End	1234
Name	OJ000303_19.0327.C5.o1.gs	Method	GENSCAN
Start	302	End	1137
GI	none	Score	.4
Exons	302..1137		

Seq. No.	42489	Seq. ID	OJ000303_19.0327.C5
Gene No.	88570	Strand	+
Start	1158	End	1234
Name	OJ000303_19.0327.C5.o1.tm	Method	TBLASTX:Maize
Start	242	End	1132
GI	none	Score	773
Exons	242..718, 247..717, 249..719, 554..817, 629..904, 734..1027, 953..1048, 1058..1132		

Seq. No.	42489	Seq. ID	OJ000303_19.0327.C5
Gene No.	88570	Strand	+
Start	1158	End	1234
Name	OJ000303_19.0327.C5.o2.ts	Method	TBLASTX:Soybean
Start	295	End	448
GI	none	Score	193
Exons	295..444, 296..448		

Seq. No.	42489	Seq. ID	OJ000303_19.0327.C5
Gene No.	88570	Strand	+
Start	1158	End	1234
Name	OJ000303_19.0327.C5.o1.tc	Method	TBLASTX:Cress
Start	343	End	1234
GI	none	Score	351
Exons	343..630, 344..634, 437..631, 554..739, 581..715, 719..844, 722..946, 743..946, 953..1057, 1148..1234		

Seq. No.	42489	Seq. ID	OJ000303_19.0327.C5
Gene No.	88570	Strand	+
Start	1158	End	1234
Name	OJ000303_19.0327.C5.o1.ts	Method	TBLASTX:Soybean
Start	449	End	1234
GI	none	Score	187

Exons	449..838, 548..943, 550..756, 656..1027, 863..1051, 865..1053, 1055..1234, 1055..1210, 1057..1233, 1079..1204		
Seq. No.	42489	Seq. ID	OJ000303_19.0327.C5
Gene No.	88570	Strand	+
Start	1158	End	1234
Name	OJ000303_19.0327.C5.o1.gp	Method	AAT/GAP
Start	1158	End	1234
GI	4969137	Score	150
Exons	1158..1234		
GI Descrip.	5882748/gb|AAD55301.1|AC008263_32 3.0e-46 (AC008263) Contains 2 PF_01535 DUF domains. [Arabidopsis thaliana]		
Seq. No.	42490	Seq. ID	OJ000303_19.0327.C6
Gene No.	88571	Strand	-
Start	1	End	1434
Name	OJ000303_19.0327.C6.o1.np	Method	AAT/NAP
Start	1	End	1434
GI	7258380	Score	77
Exons	1..35, 369..630, 1401..1434		
GI Descrip.	(AL138650) Putative protein [Arabidopsis thaliana]		
Seq. No.	42490	Seq. ID	OJ000303_19.0327.C6
Gene No.	88571	Strand	-
Start	1	End	1434
Name	OJ000303_19.0327.C6.o1.tm	Method	TBLASTX:Maize
Start	86	End	496
GI	none	Score	102
Exons	86..199, 104..199, 133..321, 252..320, 254..322, 314..388, 351..389, 351..389, 396..488, 397..489, 428..496		
Seq. No.	42490	Seq. ID	OJ000303_19.0327.C6
Gene No.	88571	Strand	-
Start	1	End	1434
Name	OJ000303_19.0327.C6.o1.gs	Method	GENSCAN
Start	104	End	1282
GI	none	Score	.8
Exons	104..1282		
Seq. No.	42491	Seq. ID	OJ000303_19.0327.C7
Gene No.	88572	Strand	+
Start	5186	End	5748
Name	OJ000303_19.0327.C7.o1.gp	Method	AAT/GAP
Start	5186	End	5748
GI	38782_1.R1084	Score	796
Exons	5186..5648, 5712..5748		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	42491	Seq. ID	OJ000303_19.0327.C7
Gene No.	88573	Strand	+
Start	8640	End	8825
Name	OJ000303_19.0327.C7.o2.gs	Method	GENSCAN
Start	8640	End	8825
GI	none	Score	.66
Exons	8640..8825		

Seq. No.	42491	Seq. ID	OJ000303_19.0327.C7
Gene No.	88574	Strand	-
Start	328	End	3459
Name	OJ000303_19.0327.C7.o1.np	Method	AAT/NAP
Start	328	End	3459
GI	7523494	Score	963
Exons	328..432, 2005..2487, 2876..3003, 3046..3459		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42491	Seq. ID	OJ000303_19.0327.C7
Gene No.	88575	Strand	-
Start	3479	End	5440
Name	OJ000303_19.0327.C7.o2.np	Method	AAT/NAP
Start	3479	End	5440
GI	4680186	Score	159
Exons	3479..3583, 4733..4911, 5382..5440		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	42491	Seq. ID	OJ000303_19.0327.C7
Gene No.	88576	Strand	-
Start	9128	End	9769
Name	OJ000303_19.0327.C7.o3.gs	Method	GENSCAN
Start	9128	End	9769
GI	none	Score	.75
Exons	9128..9283, 9731..9769		

Seq. No.	42492	Seq. ID	OJ000303_19.0327.C8
Gene No.	88577	Strand	+
Start	1214	End	4054
Name	OJ000303_19.0327.C8.o1.np	Method	AAT/NAP
Start	1214	End	4051
GI	7488141	Score	1393
Exons	1214..1312, 2360..4051		
GI Descrip.	probable peptide transport protein T17F15.170 - Arabidopsis thaliana gi|4678332|emb|CAB41143.1| (AL049658) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	42492	Seq. ID	OJ000303_19.0327.C8
Gene No.	88577	Strand	+
Start	1214	End	4054
Name	OJ000303_19.0327.C8.o1.gs	Method	GENSCAN
Start	2291	End	4054
GI	none	Score	.71
Exons	2291..4054		

Seq. No.	42492	Seq. ID	OJ000303_19.0327.C8
Gene No.	88578	Strand	-
Start	4730	End	4810
Name	OJ000303_19.0327.C8.o1.gp	Method	AAT/GAP
Start	4730	End	4810
GI	90742_1.R1084	Score	105
Exons	4730..4810		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	42492	Seq. ID	OJ000303_19.0327.C8
Gene No.	88579	Strand	-

Start	8747	End	8999
Name	OJ000303_19.0327.C8.o1.tm	Method	TBLASTX:Maize
Start	2384	End	3978
GI	none	Score	390
Exons	2384..2704, 2386..2703, 2726..3076, 2746..3075, 3139..3228, 3140..3253, 3176..3238, 3245..3409, 3250..3396, 3419..3631, 3427..3591, 3649..3849, 3650..3850, 3731..3850, 3851..3976, 3853..3978		

Seq. No.	42492	Seq. ID	OJ000303_19.0327.C8
Gene No.	88579	Strand	-
Start	8747	End	8999
Name	OJ000303_19.0327.C8.o1.ts	Method	TBLASTX:Soybean
Start	2390	End	3867
GI	none	Score	223
Exons	2390..2701, 2726..2842, 2876..3067, 2881..3078, 3170..3253, 3232..3396, 3233..3406, 3416..3637, 3484..3567, 3644..3850, 3688..3867		

Seq. No.	42492	Seq. ID	OJ000303_19.0327.C8
Gene No.	88579	Strand	-
Start	8747	End	8999
Name	OJ000303_19.0327.C8.o1.tc	Method	TBLASTX:Cress
Start	2402	End	3835
GI	none	Score	232
Exons	2402..2701, 2726..3073, 3179..3250, 3244..3372, 3245..3403, 3416..3613, 3644..3835		

Seq. No.	42492	Seq. ID	OJ000303_19.0327.C8
Gene No.	88579	Strand	-
Start	8747	End	8999
Name	OJ000303_19.0327.C8.o1.tw	Method	TBLASTX:Wheat
Start	3655	End	3973
GI	none	Score	133
Exons	3655..3846, 3662..3847, 3847..3972, 3848..3973		

Seq. No.	42492	Seq. ID	OJ000303_19.0327.C8
Gene No.	88579	Strand	-
Start	8747	End	8999
Name	OJ000303_19.0327.C8.o2.gp	Method	AAT/GAP
Start	8747	End	8999
GI	3106573	Score	303
Exons	8747..8999		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 7.0e-17 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	42493	Seq. ID	OJ000303_19.0327.C9
Gene No.	88580	Strand	+
Start	34	End	4292
Name	OJ000303_19.0327.C9.o1.gs	Method	GENSCAN
Start	34	End	4278
GI	none	Score	.53
Exons	34..183, 567..636, 853..902, 926..1014, 2968..3025, 3269..4120, 4174..4278		

Seq. No.	42493	Seq. ID	OJ000303_19.0327.C9
Gene No.	88580	Strand	+

Start	34	End	4292
Name	OJ000303_19.0327.C9.o1.np	Method	AAT/NAP
Start	136	End	4292
GI	7488141	Score	940
Exons	136..226, 901..1025, 3300..4292		
GI Descrip.	probable peptide transport protein T17F15.170 - Arabidopsis thaliana gi|4678332|emb|CAB41143.1| (AL049658) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	42493	Seq. ID	OJ000303_19.0327.C9
Gene No.	88580	Strand	+
Start	34	End	4292
Name	OJ000303_19.0327.C9.o1.tm	Method	TBLASTX:Maize
Start	983	End	4292
GI	none	Score	75
Exons	983..1027, 3298..3567, 3299..3577, 3596..3961, 3616..3945, 4013..4084, 4030..4146, 4147..4290, 4149..4292		

Seq. No.	42493	Seq. ID	OJ000303_19.0327.C9
Gene No.	88580	Strand	+
Start	34	End	4292
Name	OJ000303_19.0327.C9.o1.tc	Method	TBLASTX:Cress
Start	3262	End	4278
GI	none	Score	227
Exons	3262..3462, 3299..3574, 3596..3964, 3658..3795, 4152..4271, 4153..4278		

Seq. No.	42493	Seq. ID	OJ000303_19.0327.C9
Gene No.	88580	Strand	+
Start	34	End	4292
Name	OJ000303_19.0327.C9.o1.ts	Method	TBLASTX:Soybean
Start	3268	End	4278
GI	none	Score	209
Exons	3268..3570, 3302..3574, 3596..3964, 3598..3954, 4043..4084, 4153..4278		

Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88581	Strand	+
Start	29	End	622
Name	OJ000303_19.0327.C10.o1.gs	Method	GENSCAN
Start	29	End	622
GI	none	Score	.88
Exons	29..622		

Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o3.tm	Method	TBLASTX:Maize
Start	1	End	550
GI	none	Score	179
Exons	1..198, 2..187, 235..342, 236..421, 422..550, 424..537, 437..550		

Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o2.tc	Method	TBLASTX:Cress
Start	2	End	532

GI	none	Score	77
Exons	2..103, 110..190, 236..418, 395..532		
Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o2.ts	Method	TBLASTX:Soybean
Start	5	End	484
GI	none	Score	167
Exons	5..190, 236..418, 238..339, 398..484		
Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o2.tw	Method	TBLASTX:Wheat
Start	239	End	550
GI	none	Score	130
Exons	239..418, 419..550		
Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o2.gs	Method	GENSCAN
Start	3064	End	6635
GI	none	Score	.78
Exons	3064..3217, 3340..3464, 4190..4261, 4736..4805, 4848..5030, 5125..5457, 5583..5837, 6192..6325, 6411..6635		
Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o1.np	Method	AAT/NAP
Start	3276	End	6626
GI	4263791	Score	1072
Exons	3276..3475, 3685..3756, 3868..3939, 4049..4120, 4190..4261, 4375..4446, 4632..4704, 4853..4988, 5116..5457, 5592..5837, 6192..6325, 6411..6626		
GI Descrip.	(AC006068) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o1.tm	Method	TBLASTX:Maize
Start	3716	End	5393
GI	none	Score	59
Exons	3716..3757, 3717..3752, 3718..3753, 3867..3932, 3868..3942, 3868..3939, 3869..3946, 3872..3958, 4046..4135, 4049..4120, 4050..4139, 4169..4255, 4190..4270, 4191..4271, 4343..4447, 4361..4447, 4366..4449, 4375..4482, 4627..4740, 4632..4748, 4633..4728, 4838..4870, 4846..4875, 4858..5076, 4861..5019, 4862..5047, 5123..5188, 5124..5168, 5127..5207, 5128..5205, 5210..5278, 5220..5285, 5286..5393, 5286..5387, 5287..5388, 5315..5389		
Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+

Start	3064	End	6637
Name	OJ000303_19.0327.C10.o3.ts	Method	TBLASTX:Soybean
Start	4221	End	5218
GI	none	Score	46
Exons	4221..4271, 4358..4447, 4363..4449, 4363..4476, 4632..4721, 4633..4722, 4838..5026, 4901..5026, 5129..5218		

Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o1.ts	Method	TBLASTX:Soybean
Start	5223	End	6286
GI	none	Score	60
Exons	5223..5288, 5295..5459, 5570..5836, 5570..5767, 5611..5835, 6173..6244, 6245..6286		

Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o1.tw	Method	TBLASTX:Wheat
Start	5235	End	5737
GI	none	Score	114
Exons	5235..5441, 5543..5737, 5605..5691		

Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o1.tc	Method	TBLASTX:Cress
Start	5327	End	6328
GI	none	Score	171
Exons	5327..5455, 5328..5456, 5545..5835, 5546..5836, 6206..6244, 6239..6328		

Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o4.tm	Method	TBLASTX:Maize
Start	5394	End	5725
GI	none	Score	97
Exons	5394..5459, 5404..5457, 5576..5725, 5581..5694, 5583..5720		

Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o1.gp	Method	AAT/GAP
Start	5583	End	6458
GI	LIB3434-029-P1-K1-A7	Score	803
Exons	5583..5837, 6192..6325, 6411..6458		
GI Descrip.	'4263791/gb|AAD15451| 4.0e-54 (AC006068) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	42494	Seq. ID	OJ000303_19.0327.C10
Gene No.	88582	Strand	+
Start	3064	End	6637
Name	OJ000303_19.0327.C10.o2.tm	Method	TBLASTX:Maize
Start	5726	End	6637
GI	none	Score	175

Exons	5726..5836, 5734..5835, 6144..6323, 6173..6328, 6190..6333, 6396..6635, 6400..6444, 6410..6637, 6410..6601, 6411..6635, 6502..6636		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88583	Strand	+
Start	3482	End	3950
Name	OJ000303_19.0327.C11.o2.gs	Method	GENSCAN
Start	3482	End	3745
GI	none	Score	.67
Exons	3482..3745		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88583	Strand	+
Start	3482	End	3950
Name	OJ000303_19.0327.C11.o1.gp	Method	AAT/GAP
Start	3556	End	3950
GI	5607397	Score	720
Exons	3556..3950		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88584	Strand	+
Start	8142	End	11181
Name	OJ000303_19.0327.C11.o3.np	Method	AAT/NAP
Start	6510	End	11181
GI	6069646	Score	1245
Exons	6510..6546, 10164..11181		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88584	Strand	+
Start	8142	End	11181
Name	OJ000303_19.0327.C11.o2.np	Method	AAT/NAP
Start	8130	End	9925
GI	7487051	Score	1525
Exons	8130..9925		
GI Descrip.	hypothetical protein T16B24.15 - Arabidopsis thaliana gi|3402684|gb|AAC28987.1| (AC004697) nodulin-like protein [Arabidopsis thaliana]		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88584	Strand	+
Start	8142	End	11181
Name	OJ000303_19.0327.C11.o3.gs	Method	GENSCAN
Start	8142	End	9881
GI	none	Score	1
Exons	8142..9881		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88585	Strand	-
Start	1161	End	2659
Name	OJ000303_19.0327.C11.o1.gs	Method	GENSCAN
Start	1161	End	2659

GI	none	Score	.61
Exons	1161..1232, 1740..1912, 2497..2659		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88586	Strand	-
Start	7491	End	7719
Name	OJ000303_19.0327.C11.o1.np	Method	AAT/NAP
Start	7491	End	7719
GI	6069646	Score	232
Exons	7491..7719		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88587	Strand	-
Start	8137	End	8636
Name	OJ000303_19.0327.C11.o2.gp	Method	AAT/GAP
Start	8137	End	8636
GI	52378_1.R1084	Score	880
Exons	8137..8636		
GI Descrip.	'4160280/emb|CAA06921| 5.0e-19 (AJ006224) purple acid phosphatase [Ipomoea batatas]'		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o4.tm	Method	TBLASTX:Maize
Start	7521	End	13271
GI	none	Score	255
Exons	7521..7661, 10609..10941, 10728..10886, 13125..13271		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o1.tm	Method	TBLASTX:Maize
Start	8174	End	15172
GI	none	Score	324
Exons	8174..8458, 8178..8459, 8466..8633, 8474..8626, 8475..8627, 14713..14880, 14720..14872, 14887..15171, 14888..15172		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o3.ts	Method	TBLASTX:Soybean
Start	8177	End	15171
GI	none	Score	210
Exons	8177..8347, 8178..8351, 14995..15171, 14999..15169		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o1.tc	Method	TBLASTX:Cress
Start	8181	End	15165
GI	none	Score	185

Exons	8181..8459, 8192..8458, 8475..8645, 8498..8629, 14701..14871, 14717..14848, 14887..15165		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o2.ts	Method	TBLASTX:Soybean
Start	8357	End	14989
GI	none	Score	98
Exons	8357..8452, 8358..8462, 8469..8654, 8492..8653, 8667..8765, 14575..14673, 14692..14868, 14693..14854, 14716..14865, 14884..14988, 14894..14989		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o2.tm	Method	TBLASTX:Maize
Start	9024	End	14250
GI	none	Score	349
Exons	9024..9344, 9113..9331, 13993..14250, 14000..14248		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o2.tc	Method	TBLASTX:Cress
Start	9111	End	14250
GI	none	Score	127
Exons	9111..9275, 9116..9259, 9270..9344, 9272..9331, 9399..9635, 9404..9619, 9687..9722, 13636..13677, 13721..14083, 13732..14091, 14086..14250, 14102..14245		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o1.ts	Method	TBLASTX:Soybean
Start	9212	End	14149
GI	none	Score	162
Exons	9212..9334, 9216..9344, 9390..9602, 9413..9601, 13759..14145, 13775..14149		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o3.tm	Method	TBLASTX:Maize
Start	9389	End	13968
GI	none	Score	307
Exons	9389..9616, 9390..9635, 9687..9722, 13636..13677, 13691..13948, 13732..13929, 13822..13968, 13911..13967		
Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o5.tm	Method	TBLASTX:Maize
Start	9973	End	10278
GI	none	Score	231
Exons	9973..10278, 9978..10268		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o6.tm	Method	TBLASTX:Maize
Start	10365	End	10605
GI	none	Score	193
Exons	10365..10604, 10366..10605		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o1.tw	Method	TBLASTX:Wheat
Start	10687	End	13271
GI	none	Score	76
Exons	10687..10836, 12831..12971, 13068..13271		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o4.np	Method	AAT/NAP
Start	11301	End	13860
GI	7487819	Score	85
Exons	11301..11322, 12892..13277, 13759..13860		
GI Descrip.	hypothetical protein T8K22.5 - Arabidopsis thaliana gi|3184275|gb|AAC18922.1| (AC004136) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o3.gp	Method	AAT/GAP
Start	13175	End	13718
GI	none	Score	993
Exons	13175..13718		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o5.gs	Method	GENSCAN
Start	13429	End	15204
GI	none	Score	1
Exons	13429..15204		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267
Name	OJ000303_19.0327.C11.o5.np	Method	AAT/NAP
Start	13451	End	15216
GI	7487051	Score	1496
Exons	13451..15216		
GI Descrip.	hypothetical protein T16B24.15 - Arabidopsis thaliana gi|3402684|gb|AAC28987.1| (AC004697) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	42495	Seq. ID	OJ000303_19.0327.C11
Gene No.	88588	Strand	-
Start	11301	End	15267

Name	OJ000303_19.0327.C11.o4.gp	Method	AAT/GAP
Start	14710	End	15267
GI	52378_1.R1084	Score	1091
Exons	14710..15267		
GI Descrip.	'4160280/emb|CAA06921| 5.0e-19 (AJ006224) purple acid phosphatase [Ipomoea batatas]'		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88589	Strand	+
Start	2633	End	10943
Name	OJ000303_19.0327.C12.o1.gs	Method	GENSCAN
Start	2633	End	4281
GI	none	Score	.77
Exons	2633..2812, 2920..3027, 3360..3397, 3575..3754, 3900..4281		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88589	Strand	+
Start	2633	End	10943
Name	OJ000303_19.0327.C12.o1.np	Method	AAT/NAP
Start	3880	End	10919
GI	4160280	Score	1477
Exons	3880..4269, 9898..10919		
GI Descrip.	(AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88589	Strand	+
Start	2633	End	10943
Name	OJ000303_19.0327.C12.o2.gs	Method	GENSCAN
Start	6571	End	8624
GI	none	Score	.72
Exons	6571..6618, 7283..7596, 7638..7827, 8574..8624		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88589	Strand	+
Start	2633	End	10943
Name	OJ000303_19.0327.C12.o3.gs	Method	GENSCAN
Start	9931	End	10943
GI	none	Score	.71
Exons	9931..10478, 10556..10943		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88590	Strand	+
Start	14025	End	16829
Name	OJ000303_19.0327.C12.o2.gp	Method	AAT/GAP
Start	13992	End	14478
GI	4968941	Score	701
Exons	13992..14207, 14277..14478		
GI Descrip.	4160280/emb|CAA06921| 5.0e-19 (AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88590	Strand	+
Start	14025	End	16829
Name	OJ000303_19.0327.C12.o2.np	Method	AAT/NAP
Start	14025	End	16829
GI	4160280	Score	1597
Exons	14025..14207, 14277..14589, 15925..16829		

GI Descrip. (AJ006224) purple acid phosphatase [Ipomoea batatas]

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88590	Strand	+
Start	14025	End	16829
Name	OJ000303_19.0327.C12.o4.gs	Method	GENSCAN
Start	14025	End	16820
GI	none	Score	.74
Exons	14025..14207, 14277..14589, 15925..16820		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88590	Strand	+
Start	14025	End	16829
Name	OJ000303_19.0327.C12.o3.gp	Method	AAT/GAP
Start	16452	End	16774
GI	uC-osf1M202097e03b1	Score	646
Exons	16452..16774		
GI Descrip.	'4874290/gb|AAD31353.1|AC007212_9 4.0e-41 (AC007212) putative purple acid phosphatase [Arabidopsis thaliana]'		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88591	Strand	+
Start	16838	End	17221
Name	OJ000303_19.0327.C12.o4.gp	Method	AAT/GAP
Start	16838	End	17221
GI	3768716	Score	726
Exons	16838..17221		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88592	Strand	+
Start	18440	End	19834
Name	OJ000303_19.0327.C12.o3.np	Method	AAT/NAP
Start	18428	End	19834
GI	4426964	Score	1464
Exons	18428..19834		
GI Descrip.	(AF126255) purple acid phosphatase precursor [Anchusa officinalis]		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88592	Strand	+
Start	18440	End	19834
Name	OJ000303_19.0327.C12.o5.np	Method	AAT/NAP
Start	18437	End	19834
GI	6635443	Score	1527
Exons	18437..19834		
GI Descrip.	(AF200826) purple acid phosphatase precursor [Ipomoea batatas]		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88592	Strand	+
Start	18440	End	19834
Name	OJ000303_19.0327.C12.o5.gs	Method	GENSCAN
Start	18440	End	19822
GI	none	Score	.94
Exons	18440..19822		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88592	Strand	+

Start	18440	End	19834
Name	OJ000303_19.0327.C12.o4.np	Method	AAT/NAP
Start	18551	End	19834
GI	4210712	Score	1448
Exons	18551..19834		
GI Descrip.	(AJ006870) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88593	Strand	-
Start	5310	End	5693
Name	OJ000303_19.0327.C12.o1.gp	Method	AAT/GAP
Start	5310	End	5693
GI	2311431	Score	728
Exons	5310..5693		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88594	Strand	-
Start	20407	End	20709
Name	OJ000303_19.0327.C12.o1.tc	Method	TBLASTX:Cress
Start	4015	End	19801
GI	none	Score	162
Exons	4015..4170, 4056..4160, 4240..4260, 9904..10137, 9915..10124, 10144..10488, 10146..10490, 10496..10684, 10497..10883, 10727..10876, 14109..14201, 14274..14531, 15923..16027, 15924..16043, 16050..16328, 16055..16168, 16190..16348, 16322..16492, 16323..16796, 16535..16786, 18509..18760, 18550..18702, 18767..18859, 18860..19051, 18874..19038, 19058..19801, 19060..19128, 19198..19590, 19648..19800		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88594	Strand	-
Start	20407	End	20709
Name	OJ000303_19.0327.C12.o1.ts	Method	TBLASTX:Soybean
Start	4015	End	19801
GI	none	Score	169
Exons	4015..4170, 4056..4169, 4240..4260, 9897..10124, 9898..10137, 10143..10262, 10144..10488, 10497..10883, 10502..10684, 10733..10828, 14109..14201, 14274..14531, 14276..14593, 15923..16024, 15924..16043, 16049..16348, 16050..16328, 16320..16796, 16322..16786, 18509..18760, 18550..18687, 18767..18859, 18805..18852, 18848..19051, 18874..19032, 19057..19128, 19058..19801, 19192..19587, 19642..19800		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88594	Strand	-
Start	20407	End	20709
Name	OJ000303_19.0327.C12.o1.tm	Method	TBLASTX:Maize
Start	4018	End	19801
GI	none	Score	161
Exons	4018..4170, 4056..4169, 4240..4260, 9897..10490, 9898..10542, 10496..10684, 10497..10883, 14112..14201, 14186..14212, 14274..14369, 14388..14615, 14432..14593, 15923..16348, 15924..16325, 16325..16492, 16335..16796, 16532..16852, 18509..18703, 18550..18702, 18770..18859, 18775..18849, 18848..19801, 18883..19590, 19648..19800		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12

Gene No.	88594	Strand	-
Start	20407	End	20709
Name	OJ000303_19.0327.C12.o1.tw	Method	TBLASTX:Wheat
Start	10727	End	19813
GI	none	Score	190
Exons	10727..10870, 10728..10901, 16631..16780, 16632..16820, 19640..19813		

Seq. No.	42496	Seq. ID	OJ000303_19.0327.C12
Gene No.	88594	Strand	-
Start	20407	End	20709
Name	OJ000303_19.0327.C12.o6.gs	Method	GENSCAN
Start	20407	End	20709
GI	none	Score	.47
Exons	20407..20458, 20552..20709		

Seq. No.	42497	Seq. ID	OJ000303_18.0328.C2
Gene No.	88595	Strand	+
Start	1	End	248
Name	OJ000303_18.0328.C2.o1.np	Method	AAT/NAP
Start	1	End	248
GI	7452436	Score	75
Exons	1..248		
GI Descrip.	hypothetical protein F17L22.160 - Arabidopsis thaliana gi|4455278|emb|CAB36814.1| (AL035527) hypothetical protein [Arabidopsis thaliana] gi|7268967|emb|CAB81277.1| (AL161555) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42497	Seq. ID	OJ000303_18.0328.C2
Gene No.	88596	Strand	-
Start	1	End	483
Name	OJ000303_18.0328.C2.o1.gp	Method	AAT/GAP
Start	1	End	483
GI	41954_1.R1084	Score	943
Exons	1..483		
GI Descrip.	'5051771/emb|CAB45064.1| 5.0e-13 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	42497	Seq. ID	OJ000303_18.0328.C2
Gene No.	88597	Strand	-
Start	1615	End	2538
Name	OJ000303_18.0328.C2.o1.tm	Method	TBLASTX:Maize
Start	2	End	261
GI	none	Score	114
Exons	2..163, 2..163, 3..185, 3..200, 157..222, 158..226, 238..261		

Seq. No.	42497	Seq. ID	OJ000303_18.0328.C2
Gene No.	88597	Strand	-
Start	1615	End	2538
Name	OJ000303_18.0328.C2.o1.gs	Method	GENSCAN
Start	1615	End	2538
GI	none	Score	.45
Exons	1615..1643, 2249..2380, 2400..2538		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88598	Strand	+
Start	116	End	2680

Name	OJ000303_18.0328.C3.o1.gs	Method	GENSCAN
Start	116	End	2680
GI	none	Score	.86
Exons	116..676, 1364..1547, 1688..1860, 1967..2680		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88598	Strand	+
Start	116	End	2680
Name	OJ000303_18.0328.C3.o1.np	Method	AAT/NAP
Start	116	End	2677
GI	6560762	Score	1171
Exons	116..354, 472..725, 1336..1547, 1688..1860, 1967..2677		
GI Descrip.	(AC010155) F3M18.18 [Arabidopsis thaliana]		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88598	Strand	+
Start	116	End	2680
Name	OJ000303_18.0328.C3.o1.gp	Method	AAT/GAP
Start	1150	End	1568
GI	702107	Score	756
Exons	1150..1568		
GI Descrip.	5051771/emb|CAB45064.1| 5.0e-13 (AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88599	Strand	+
Start	2663	End	2966
Name	OJ000303_18.0328.C3.o2.gp	Method	AAT/GAP
Start	2663	End	2966
GI	none	Score	574
Exons	2663..2966		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88600	Strand	+
Start	5556	End	9275
Name	OJ000303_18.0328.C3.o2.gs	Method	GENSCAN
Start	5556	End	9275
GI	none	Score	.46
Exons	5556..5566, 5868..6079, 6343..6463, 7067..7333, 7640..7886, 9139..9275		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88600	Strand	+
Start	5556	End	9275
Name	OJ000303_18.0328.C3.o3.gp	Method	AAT/GAP
Start	8295	End	8389
GI	LIB3477-003-P1-K1-E9	Score	120
Exons	8295..8389		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88601	Strand	-
Start	9518	End	10025
Name	OJ000303_18.0328.C3.o2.tw	Method	TBLASTX:Wheat
Start	110	End	541

GI	none	Score	84
Exons	110..190, 115..189, 191..223, 197..361, 290..349, 436..534, 455..541, 470..538		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88601	Strand	-
Start	9518	End	10025
Name	OJ000303_18.0328.C3.o1.ts	Method	TBLASTX:Soybean
Start	112	End	2743
GI	none	Score	208
Exons	112..255, 113..361, 436..582, 455..610, 1415..1552, 1447..1542, 1689..1772, 1690..1773, 1771..1869, 1773..1862, 1969..2073, 1970..2185, 2207..2302, 2443..2643, 2444..2650, 2693..2743		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88601	Strand	-
Start	9518	End	10025
Name	OJ000303_18.0328.C3.o2.tm	Method	TBLASTX:Maize
Start	113	End	580
GI	none	Score	186
Exons	113..367, 473..580		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88601	Strand	-
Start	9518	End	10025
Name	OJ000303_18.0328.C3.o2.tc	Method	TBLASTX:Cress
Start	151	End	628
GI	none	Score	75
Exons	151..252, 152..241, 185..361, 451..582, 455..628		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88601	Strand	-
Start	9518	End	10025
Name	OJ000303_18.0328.C3.o3.tc	Method	TBLASTX:Cress
Start	1358	End	1863
GI	none	Score	182
Exons	1358..1519, 1426..1518, 1502..1543, 1689..1811, 1690..1821, 1780..1863		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88601	Strand	-
Start	9518	End	10025
Name	OJ000303_18.0328.C3.o1.tw	Method	TBLASTX:Wheat
Start	1430	End	1863
GI	none	Score	160
Exons	1430..1552, 1432..1551, 1689..1784, 1690..1797, 1734..1862, 1786..1863, 1803..1862		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88601	Strand	-
Start	9518	End	10025
Name	OJ000303_18.0328.C3.o1.tm	Method	TBLASTX:Maize
Start	1693	End	2077
GI	none	Score	95
Exons	1693..1791, 1719..1772, 1771..1866, 1776..1853, 1964..2077, 1984..2076		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88601	Strand	-
Start	9518	End	10025
Name	OJ000303_18.0328.C3.o1.tc	Method	TBLASTX:Cress
Start	1975	End	2647
GI	none	Score	153
Exons	1975..2067, 1976..2188, 2207..2317, 2432..2491, 2482..2643, 2483..2647		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88601	Strand	-
Start	9518	End	10025
Name	OJ000303_18.0328.C3.o3.tm	Method	TBLASTX:Maize
Start	2258	End	2550
GI	none	Score	112
Exons	2258..2359, 2260..2391, 2452..2550, 2453..2548, 2476..2550		

Seq. No.	42498	Seq. ID	OJ000303_18.0328.C3
Gene No.	88601	Strand	-
Start	9518	End	10025
Name	OJ000303_18.0328.C3.o4.gp	Method	AAT/GAP
Start	9518	End	10025
GI	none	Score	706
Exons	9518..9827, 9917..10025		

Seq. No.	42499	Seq. ID	OJ000303_18.0328.C4
Gene No.	88602	Strand	-
Start	1	End	5440
Name	OJ000303_18.0328.C4.o1.gp	Method	AAT/GAP
Start	1	End	1531
GI	none	Score	900
Exons	1..58, 294..341, 447..584, 678..775, 913..1020, 1451..1531		

Seq. No.	42499	Seq. ID	OJ000303_18.0328.C4
Gene No.	88602	Strand	-
Start	1	End	5440
Name	OJ000303_18.0328.C4.o1.gs	Method	GENSCAN
Start	123	End	5440
GI	none	Score	.81
Exons	123..341, 447..584, 678..745, 913..1020, 1451..1548, 1627..1727, 2333..2494, 2599..2670, 2762..2828, 2933..3033, 3391..3499, 3670..3733, 4653..4765, 5352..5440		

Seq. No.	42499	Seq. ID	OJ000303_18.0328.C4
Gene No.	88602	Strand	-
Start	1	End	5440
Name	OJ000303_18.0328.C4.o1.tw	Method	TBLASTX:Wheat
Start	1495	End	2502
GI	none	Score	71
Exons	1495..1551, 1495..1548, 1497..1550, 1627..1701, 1627..1695, 1629..1712, 2330..2464, 2333..2494, 2334..2495, 2335..2502		

Seq. No.	42499	Seq. ID	OJ000303_18.0328.C4
Gene No.	88602	Strand	-
Start	1	End	5440
Name	OJ000303_18.0328.C4.o1.tm	Method	TBLASTX:Maize
Start	2387	End	2970

GI	none	Score	79
Exons	2387..2494, 2387..2464, 2409..2495, 2427..2501, 2595..2666, 2595..2669, 2599..2670, 2611..2667, 2750..2830, 2761..2847, 2765..2827, 2941..2970, 2942..2968		

Seq. No.	42499	Seq. ID	OJ000303_18.0328.C4
Gene No.	88602	Strand	-
Start	1	End	5440
Name	OJ000303_18.0328.C4.o2.gp	Method	AAT/GAP
Start	2793	End	4387
GI	none	Score	908
Exons	2793..2828, 2933..3033, 3134..3196, 3391..3499, 3670..3733, 4227..4387		

Seq. No.	42500	Seq. ID	OJ000303_18.0328.C5
Gene No.	88603	Strand	+
Start	122	End	684
Name	OJ000303_18.0328.C5.o1.gs	Method	GENSCAN
Start	122	End	684
GI	none	Score	.87
Exons	122..251, 422..684		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88604	Strand	+
Start	533	End	5064
Name	OJ000303_18.0328.C6.o1.np	Method	AAT/NAP
Start	533	End	5064
GI	4512658	Score	311
Exons	533..567, 2194..2440, 2486..2613, 4204..5064		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88604	Strand	+
Start	533	End	5064
Name	OJ000303_18.0328.C6.o1.gp	Method	AAT/GAP
Start	1745	End	2204
GI	none	Score	874
Exons	1745..2204		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88604	Strand	+
Start	533	End	5064
Name	OJ000303_18.0328.C6.o1.gs	Method	GENSCAN
Start	1993	End	5064
GI	none	Score	.55
Exons	1993..2067, 2081..2613, 4204..4648, 4666..5064		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88604	Strand	+
Start	533	End	5064
Name	OJ000303_18.0328.C6.o2.gp	Method	AAT/GAP
Start	2461	End	4432
GI	uC-osrocyp003g05a1	Score	740
Exons	2461..2613, 4204..4432		
GI Descrip.	'3548810 3.0e-09 (AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]'		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88604	Strand	+
Start	533	End	5064
Name	OJ000303_18.0328.C6.o3.gp	Method	AAT/GAP
Start	4441	End	4903
GI	none	Score	856
Exons	4441..4903		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88605	Strand	+
Start	15842	End	16171
Name	OJ000303_18.0328.C6.o4.np	Method	AAT/NAP
Start	15842	End	16171
GI	4926830	Score	150
Exons	15842..16171		
GI Descrip.	(AC004135) T17H7.15 [Arabidopsis thaliana]		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88606	Strand	-
Start	5658	End	9031
Name	OJ000303_18.0328.C6.o4.gp	Method	AAT/GAP
Start	5425	End	7504
GI	721_1.R1084	Score	1038
Exons	5425..5721, 5793..5875, 6375..6463, 6562..6601, 7430..7504		
GI Descrip.	'4090257/emb|CAA10493.1| 2.0e-46 (AJ131732) ribosomal protein L37A [Pseudotsuga menziesii]'		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88606	Strand	-
Start	5658	End	9031
Name	OJ000303_18.0328.C6.o2.gs	Method	GENSCAN
Start	5658	End	9031
GI	none	Score	.86
Exons	5658..5721, 5793..5875, 6375..6463, 6562..6624, 7182..7306, 8985..9031		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88606	Strand	-
Start	5658	End	9031
Name	OJ000303_18.0328.C6.o2.np	Method	AAT/NAP
Start	5661	End	6604
GI	6831602	Score	369
Exons	5661..5721, 5793..5875, 6375..6463, 6562..6604		
GI Descrip.	60S RIBOSOMAL PROTEIN L37A gi|4741896|gb|AAD28753.1|AF127042_1 (AF127042) 60S ribosomal protein L37a [Gossypium hirsutum]		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88607	Strand	-
Start	11436	End	11932
Name	OJ000303_18.0328.C6.o5.gp	Method	AAT/GAP
Start	9964	End	11932
GI	1088_2.R1084	Score	1323
Exons	9964..10270, 11310..11362, 11475..11703, 11804..11932		
GI Descrip.	'1350742/sp|P49180|R35A_CAEEL 5.0e-28 PROBABLE 60S RIBOSOMAL PROTEIN L35A >gi_1086831 (U41264) coded for by C. elegans cDNA yk64g10.5; coded for by C. elegans cDNA yk51f3.5; coded for by C. elegans cDNA yk115e7.3; coded for by C. elegans cDNA		

yk99d1.3; coded for by C. elegans cDNA yk99d1.5; coded for by C. elegans cDNA yk64g1'

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88607	Strand	-
Start	11436	End	11932
Name	OJ000303_18.0328.C6.o3.np	Method	AAT/NAP
Start	11324	End	11868
GI	7263563	Score	440
Exons	11324..11362, 11475..11703, 11804..11868		
GI Descrip.	(AL161667) ribosomal protein [Arabidopsis thaliana]		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88607	Strand	-
Start	11436	End	11932
Name	OJ000303_18.0328.C6.o3.gs	Method	GENSCAN
Start	11436	End	11868
GI	none	Score	.85
Exons	11436..11703, 11804..11868		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-
Start	14538	End	16146
Name	OJ000303_18.0328.C6.o3.tm	Method	TBLASTX:Maize
Start	4223	End	4501
GI	none	Score	58
Exons	4223..4309, 4225..4263, 4301..4501, 4303..4500		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-
Start	14538	End	16146
Name	OJ000303_18.0328.C6.o1.tm	Method	TBLASTX:Maize
Start	4562	End	5088
GI	none	Score	67
Exons	4562..4720, 4583..4672, 4663..4764, 4667..4738, 4738..4839, 4767..4835, 4830..5063, 4843..5088		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-
Start	14538	End	16146
Name	OJ000303_18.0328.C6.o4.tm	Method	TBLASTX:Maize
Start	5574	End	6609
GI	none	Score	76
Exons	5574..5603, 5624..5719, 5628..5720, 5629..5724, 5791..5865, 5793..5876, 5794..5910, 5795..5878, 6343..6465, 6343..6462, 6360..6464, 6559..6609, 6560..6601, 6561..6602		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-
Start	14538	End	16146
Name	OJ000303_18.0328.C6.o2.tw	Method	TBLASTX:Wheat
Start	5632	End	6636
GI	none	Score	74
Exons	5632..5691, 5638..5724, 5639..5722, 5791..5865, 5793..5876, 5794..5910, 5795..5878, 6343..6465, 6360..6464, 6558..6611, 6559..6636, 6560..6601, 6561..6602		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-
Start	14538	End	16146
Name	OJ000303_18.0328.C6.o2.tc	Method	TBLASTX:Cress
Start	5659	End	6599
GI	none	Score	60
Exons	5659..5724, 5669..5722, 5793..5870, 5794..5886, 5795..5878, 6375..6464, 6376..6465, 6558..6599, 6560..6598		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-
Start	14538	End	16146
Name	OJ000303_18.0328.C6.o2.ts	Method	TBLASTX:Soybean
Start	5668	End	6602
GI	none	Score	107
Exons	5668..5724, 5793..5873, 5795..5878, 6360..6464, 6379..6465, 6558..6602, 6560..6601		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-
Start	14538	End	16146
Name	OJ000303_18.0328.C6.o1.tc	Method	TBLASTX:Cress
Start	11309	End	11868
GI	none	Score	55
Exons	11309..11362, 11325..11363, 11475..11708, 11476..11706, 11575..11712, 11801..11866, 11803..11868, 11804..11863		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-
Start	14538	End	16146
Name	OJ000303_18.0328.C6.o1.tw	Method	TBLASTX:Wheat
Start	11318	End	11868
GI	none	Score	64
Exons	11318..11362, 11319..11363, 11319..11369, 11470..11703, 11475..11708, 11801..11866, 11802..11867, 11803..11868		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-
Start	14538	End	16146
Name	OJ000303_18.0328.C6.o1.ts	Method	TBLASTX:Soybean
Start	11321	End	11868
GI	none	Score	235
Exons	11321..11362, 11467..11706, 11475..11708, 11803..11868, 11804..11866		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-
Start	14538	End	16146
Name	OJ000303_18.0328.C6.o2.tm	Method	TBLASTX:Maize
Start	11321	End	11868
GI	none	Score	45
Exons	11321..11362, 11322..11363, 11323..11364, 11475..11615, 11475..11708, 11476..11706, 11575..11712, 11797..11868, 11801..11866, 11803..11868		

Seq. No.	42501	Seq. ID	OJ000303_18.0328.C6
Gene No.	88608	Strand	-

Start	14538	End	16146
Name	OJ000303_18.0328.C6.o4.gs	Method	GENSCAN
Start	14538	End	16146
GI	none	Score	.94
Exons	14538..14693, 15811..15922, 15998..16146		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88609	Strand	+
Start	143	End	1259
Name	OJ000303_18.0328.C7.o1.gs	Method	GENSCAN
Start	143	End	1259
GI	none	Score	.48
Exons	143..448, 1125..1259		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88610	Strand	-
Start	1662	End	1995
Name	OJ000303_18.0328.C7.o2.gs	Method	GENSCAN
Start	1662	End	1995
GI	none	Score	.82
Exons	1662..1748, 1846..1995		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o1.gp	Method	AAT/GAP
Start	2474	End	2693
GI	3106928	Score	389
Exons	2474..2693		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o2.ts	Method	TBLASTX:Soybean
Start	2591	End	3076
GI	none	Score	88
Exons	2591..2743, 2597..2743, 2598..2744, 2821..3075, 2822..3076		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o1.tm	Method	TBLASTX:Maize
Start	2593	End	6084
GI	none	Score	112
Exons	2593..2742, 2595..2744, 2595..2741, 2597..2743, 2821..3141, 2822..3142, 2824..3144, 3231..3728, 3233..3715, 3246..3716, 3587..3730, 3947..4054, 3952..4032, 3954..4055, 4203..4319, 4235..4318, 4239..4319, 4548..4625, 4981..5112, 4982..5113, 4982..5113, 5292..5408, 5299..5409, 5299..5412, 5547..5615, 5548..5613, 5549..5614, 6022..6084, 6027..6074		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o1.np	Method	AAT/NAP
Start	2594	End	6105
GI	5453603	Score	1557

Exons	2594..2743, 2824..3139, 3231..3716, 3954..4030, 4202..4317, 4547..4618, 4984..5112, 5297..5408, 5549..5614, 6028..6105
GI Descrip.	chaperonin containing TCP1, subunit 2 (beta) gi|6094436|sp|P78371|TCPB_HUMAN T-COMPLEX PROTEIN 1, BETA SUBUNIT (TCP-1-BETA) (CCT-BETA) gi|2559012 (AF026293) chaperonin containing t-complex polypeptide 1, beta subunit; CCT-beta [Homo sapiens] gi|4090929 (AF026166) chaperonin-containing TCP-1 beta subunit homolog [Homo sapiens]

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o1.tc	Method	TBLASTX:Cress
Start	2597	End	3479
GI	none	Score	150
Exons	2597..2743, 2598..2765, 2818..2928, 2821..3141, 2822..3133, 2949..3134, 2959..3141, 3227..3478, 3231..3479		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o3.gs	Method	GENSCAN
Start	2597	End	6690
GI	none	Score	.92
Exons	2597..2743, 2824..3139, 3231..3716, 3954..4030, 4202..4317, 4984..5112, 5297..5408, 5549..5614, 6028..6084, 6688..6690		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o1.tw	Method	TBLASTX:Wheat
Start	2821	End	3331
GI	none	Score	339
Exons	2821..3141, 2822..3142, 2834..3142, 3227..3331, 3233..3328		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o1.ts	Method	TBLASTX:Soybean
Start	3227	End	6093
GI	none	Score	591
Exons	3227..3715, 3228..3728, 3947..4054, 3954..4055, 4206..4319, 4235..4321, 4540..4626, 4548..4625, 4980..5111, 4982..5113, 4994..5113, 5292..5408, 5299..5409, 5547..5615, 5549..5614, 6022..6093		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o2.gp	Method	AAT/GAP
Start	3264	End	4022
GI	27376_1.R1084	Score	1002
Exons	3264..3716, 3954..4022		
GI Descrip.	'3046695/emb|CAA18257.1| 4.0e-09 (AL022224) putative protein [Arabidopsis thaliana]'		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7

Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o2.tc	Method	TBLASTX:Cress
Start	3480	End	6084
GI	none	Score	154
Exons	3480..3602, 3480..3590, 3482..3601, 3601..3645, 3602..3715, 3603..3728, 3947..4054, 3953..4054, 3954..4055, 4206..4328, 4235..4321, 4540..4620, 4541..4609, 4541..4621, 4548..4625, 4555..4620, 4982..5113, 4982..5113, 4983..5114, 5292..5408, 5299..5409, 5547..5615, 5548..5613, 5549..5614, 6022..6084		

Seq. No.	42502	Seq. ID	OJ000303_18.0328.C7
Gene No.	88611	Strand	-
Start	2597	End	6690
Name	OJ000303_18.0328.C7.o3.gp	Method	AAT/GAP
Start	5280	End	6084
GI	3768427	Score	391
Exons	5280..5408, 5549..5614, 6028..6084		
GI Descrip.	1871210 5.0e-19 (U91327) T-complex protein 1, Beta subunit (TCP-1-BETA) [Homo sapiens]		

Seq. No.	42503	Seq. ID	OJ000303_18.0328.C9
Gene No.	88612	Strand	+
Start	1440	End	1860
Name	OJ000303_18.0328.C9.o1.gp	Method	AAT/GAP
Start	1440	End	1860
GI	428287	Score	842
Exons	1440..1860		

Seq. No.	42503	Seq. ID	OJ000303_18.0328.C9
Gene No.	88613	Strand	-
Start	1879	End	3273
Name	OJ000303_18.0328.C9.o1.tm	Method	TBLASTX:Maize
Start	1859	End	2996
GI	none	Score	69
Exons	1859..1915, 1860..1916, 1860..1916, 1880..1930, 1882..1935, 2676..2744, 2677..2754, 2875..2988, 2888..2926, 2916..2996		

Seq. No.	42503	Seq. ID	OJ000303_18.0328.C9
Gene No.	88613	Strand	-
Start	1879	End	3273
Name	OJ000303_18.0328.C9.o2.gs	Method	GENSCAN
Start	1879	End	3273
GI	none	Score	.53
Exons	1879..1935, 2616..2753, 2862..3273		

Seq. No.	42503	Seq. ID	OJ000303_18.0328.C9
Gene No.	88613	Strand	-
Start	1879	End	3273
Name	OJ000303_18.0328.C9.o1.np	Method	AAT/NAP
Start	1882	End	3050
GI	7485821	Score	235
Exons	1882..1935, 2676..2753, 2862..3050		
GI Descrip.	hypothetical protein F1C12.211 - Arabidopsis thaliana gi|3046695|emb|CAA18257.1| (AL022224) putative protein [Arabidopsis thaliana] gi|7268825|emb|CAB79030.1| (AL161552) putative protein [Arabidopsis thaliana]		

Seq. No.	42503	Seq. ID	OJ000303_18.0328.C9
Gene No.	88613	Strand	-
Start	1879	End	3273
Name	OJ000303_18.0328.C9.o2.gp	Method	AAT/GAP
Start	2689	End	3122
GI	2431197	Score	534
Exons	2689..2753, 2862..3122		
GI Descrip.	3046695/emb|CAA18257.1| 4.0e-09 (AL022224) putative protein [Arabidopsis thaliana]		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88614	Strand	+
Start	186	End	2220
Name	OJ000303_18.0328.C10.o1.gs	Method	GENSCAN
Start	186	End	2220
GI	none	Score	.43
Exons	186..355, 1023..1679, 2151..2220		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o1.np	Method	AAT/NAP
Start	2326	End	12524
GI	6850866	Score	770
Exons	2326..2404, 7748..7957, 8077..8317, 9307..9771, 10211..10282, 12389..12524		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o1.tm	Method	TBLASTX:Maize
Start	7628	End	9621
GI	none	Score	142
Exons	7628..7651, 7712..7876, 7718..7975, 7719..7952, 8116..8376, 8117..8377, 9365..9544, 9367..9552, 9541..9621		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o3.gs	Method	GENSCAN
Start	7697	End	10369
GI	none	Score	.59
Exons	7697..7957, 8077..8383, 9034..9130, 9369..9771, 10211..10369		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o2.ts	Method	TBLASTX:Soybean
Start	7721	End	9417
GI	none	Score	147
Exons	7721..7966, 7800..7967, 8116..8328, 8198..8293, 9364..9417		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636

Name	OJ000303_18.0328.C10.o1.gp	Method	AAT/GAP
Start	8297	End	9705
GI	none	Score	600
Exons	8297..8363, 9369..9705		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o1.ts	Method	TBLASTX:Soybean
Start	9424	End	9741
GI	none	Score	130
Exons	9424..9531, 9550..9741, 9614..9733		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o3.tm	Method	TBLASTX:Maize
Start	9622	End	10300
GI	none	Score	71
Exons	9622..9696, 9622..9774, 9626..9733, 10211..10300, 10212..10298		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o2.gp	Method	AAT/GAP
Start	9696	End	10489
GI	none	Score	670
Exons	9696..9771, 10211..10489		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o2.tm	Method	TBLASTX:Maize
Start	11943	End	12831
GI	none	Score	125
Exons	11943..12131, 11945..12106, 11961..12119, 12061..12120, 12435..12569, 12436..12570, 12722..12823, 12733..12831, 12737..12826		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o1.tc	Method	TBLASTX:Cress
Start	11955	End	13127
GI	none	Score	122
Exons	11955..12122, 11973..12122, 12423..12581, 12430..12570, 12432..12581, 12721..12927, 12731..12922, 12732..12923, 12913..12951, 13086..13127		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o2.np	Method	AAT/NAP
Start	11955	End	13636
GI	6723391	Score	549
Exons	11955..12116, 12435..12572, 12733..12948, 13079..13180, 13246..13332, 13443..13636		

GI Descrip. (AL132956) putative protein [Arabidopsis thaliana]

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o4.gs	Method	GENSCAN
Start	11967	End	13538
GI	none	Score	.94
Exons	11967..12116, 12435..12572, 12733..12948, 13079..13170, 13266..13332, 13443..13538		

Seq. No.	42504	Seq. ID	OJ000303_18.0328.C10
Gene No.	88615	Strand	-
Start	2326	End	13636
Name	OJ000303_18.0328.C10.o3.ts	Method	TBLASTX:Soybean
Start	12426	End	13496
GI	none	Score	100
Exons	12426..12569, 12439..12576, 12730..12906, 12731..12907, 13273..13332, 13446..13496		

Seq. No.	42505	Seq. ID	OJ000303_18.0328.C11
Gene No.	88616	Strand	-
Start	1	End	4316
Name	OJ000303_18.0328.C11.o1.np	Method	AAT/NAP
Start	1	End	4316
GI	6723390	Score	235
Exons	1..247, 1692..1844, 1911..1952, 4281..4316		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	42505	Seq. ID	OJ000303_18.0328.C11
Gene No.	88616	Strand	-
Start	1	End	4316
Name	OJ000303_18.0328.C11.o1.gs	Method	GENSCAN
Start	15	End	2584
GI	none	Score	.84
Exons	15..247, 1692..1956, 2007..2296, 2531..2584		

Seq. No.	42505	Seq. ID	OJ000303_18.0328.C11
Gene No.	88617	Strand	-
Start	4273	End	7287
Name	OJ000303_18.0328.C11.o2.gs	Method	GENSCAN
Start	4273	End	7287
GI	none	Score	.69
Exons	4273..4722, 4877..5019, 5242..5406, 5525..5598, 7199..7287		

Seq. No.	42505	Seq. ID	OJ000303_18.0328.C11
Gene No.	88618	Strand	-
Start	7900	End	8057
Name	OJ000303_18.0328.C11.o2.np	Method	AAT/NAP
Start	7900	End	8057
GI	7340920	Score	137
Exons	7900..8057		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88619	Strand	+
Start	134	End	5610

Name	OJ000303_18.0328.C12.o1.gp	Method	AAT/GAP
Start	134	End	4640
GI	9146_1.R1084	Score	2899
Exons	134..382, 742..805, 895..999, 1228..1329, 1588..1638, 1737..1798, 2083..2173, 2253..2317, 2540..2734, 2820..2939, 3105..3175, 3769..3994, 4124..4174, 4479..4640		
GI Descrip.	'2129826/pir||S63668 0.0e+00 dynamin-like protein phragmoplastin 5 - soybean >gi_1218004 (U36430) SDL5A [Glycine max]'		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88619	Strand	+
Start	134	End	5610
Name	OJ000303_18.0328.C12.o1.np	Method	AAT/NAP
Start	254	End	5346
GI	5931765	Score	2267
Exons	254..382, 742..805, 895..999, 1228..1329, 1588..1638, 1737..1798, 2083..2173, 2253..2317, 2540..2734, 2820..2939, 3105..3175, 3769..3994, 4124..4174, 4479..4707, 4945..5084, 5221..5346		
GI Descrip.	(AJ244024) phragmoplastin [Nicotiana tabacum]		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88619	Strand	+
Start	134	End	5610
Name	OJ000303_18.0328.C12.o1.gs	Method	GENSCAN
Start	254	End	5349
GI	none	Score	.96
Exons	254..382, 742..805, 1228..1329, 1737..1798, 2083..2173, 2253..2317, 2540..2734, 2820..2939, 3105..3175, 3769..3994, 4124..4174, 4479..4707, 4945..5084, 5221..5349		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88619	Strand	+
Start	134	End	5610
Name	OJ000303_18.0328.C12.o2.gp	Method	AAT/GAP
Start	4926	End	5610
GI	2280_1.R1084	Score	1012
Exons	4926..5084, 5221..5610		
GI Descrip.	'2129825/pir||S63667 1.0e-37 dynamin-like protein phragmoplastin 12 - soybean >gi_1217994 (U25547) SDL [Glycine max]'		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88620	Strand	+
Start	12519	End	13034
Name	OJ000303_18.0328.C12.o3.gs	Method	GENSCAN
Start	12519	End	13034
GI	none	Score	.94
Exons	12519..13034		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88621	Strand	+
Start	19870	End	19960
Name	OJ000303_18.0328.C12.o8.gp	Method	AAT/GAP
Start	19870	End	19960
GI	90742_1.R1084	Score	107
Exons	19870..19960		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic		

DNA, chromosome 6, clone:P0538C01'

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88622	Strand	-
Start	6297	End	10321
Name	OJ000303_18.0328.C12.o2.gs	Method	GENSCAN
Start	6297	End	10321
GI	none	Score	.88
Exons	6297..6377, 6461..6506, 6834..6901, 7321..7421, 7678..7745, 8112..8220, 8416..8484, 8893..8954, 9230..9302, 9386..9438, 9636..9688, 9855..9902, 9953..10030, 10115..10321		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88622	Strand	-
Start	6297	End	10321
Name	OJ000303_18.0328.C12.o2.np	Method	AAT/NAP
Start	6300	End	10183
GI	7487863	Score	655
Exons	6300..6415, 6830..6901, 6965..7087, 7321..7421, 8416..8484, 8893..8954, 9230..9302, 9386..9438, 9636..9688, 9805..9854, 9953..10030, 10115..10183		
GI Descrip.	hypothetical protein T9E8.140 - Arabidopsis thaliana gi|4584545|emb|CAB40775.1| (AL049608) putative protein [Arabidopsis thaliana] gi|7268043|emb|CAB78382.1| (AL161536) putative protein [Arabidopsis thaliana]		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88622	Strand	-
Start	6297	End	10321
Name	OJ000303_18.0328.C12.o3.gp	Method	AAT/GAP
Start	9984	End	10292
GI	702518	Score	392
Exons	9984..10030, 10115..10292		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88622	Strand	-
Start	6297	End	10321
Name	OJ000303_18.0328.C12.o4.gp	Method	AAT/GAP
Start	9985	End	10292
GI	702518	Score	390
Exons	9985..10030, 10115..10292		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88623	Strand	-
Start	11188	End	13026
Name	OJ000303_18.0328.C12.o5.gp	Method	AAT/GAP
Start	11188	End	13026
GI	1088_2.R1084	Score	737
Exons	11188..11334, 12382..12434, 12555..12782, 12895..13026		
GI Descrip.	'1350742/sp|P49180|R35A_CAEEL 5.0e-28 PROBABLE 60S RIBOSOMAL PROTEIN L35A >gi_1086831 (U41264) coded for by C. elegans cDNA yk64g10.5; coded for by C. elegans cDNA yk51f3.5; coded for by C. elegans cDNA yk115e7.3; coded for by C. elegans cDNA yk99d1.3; coded for by C. elegans cDNA yk99d1.5; coded for by C. elegans cDNA yk64g1'		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12

Gene No.	88623	Strand	-
Start	11188	End	13026
Name	OJ000303_18.0328.C12.o3.np	Method	AAT/NAP
Start	12396	End	12962
GI	6939227	Score	427
Exons	12396..12434, 12555..12782, 12895..12962		
GI Descrip.	(AC020579) putative ribosomal protein [Arabidopsis thaliana]		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o7.tm	Method	TBLASTX:Maize
Start	151	End	998
GI	none	Score	210
Exons	151..198, 253..378, 254..382, 700..792, 722..793, 725..805, 741..824, 741..809, 893..997, 894..998		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o4.tc	Method	TBLASTX:Cress
Start	253	End	5348
GI	none	Score	210
Exons	253..378, 254..382, 741..809, 778..810, 893..940, 894..941, 938..997, 939..998, 1217..1342, 1227..1328, 1565..1636, 1566..1637, 1735..1797, 1736..1798, 2028..2174, 2080..2175, 2248..2316, 2249..2320, 2534..2734, 2539..2730, 2543..2734, 2819..2947, 2820..2948, 3104..3175, 3105..3176, 3757..3996, 3770..4009, 4124..4171, 4406..4705, 4457..4708, 4464..4715, 4940..5083, 4944..5114, 4953..5087, 5206..5340, 5220..5348		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o4.ts	Method	TBLASTX:Soybean
Start	253	End	5348
GI	none	Score	213
Exons	253..381, 254..382, 738..809, 778..810, 893..949, 894..941, 938..997, 939..998, 1211..1342, 1233..1328, 1565..1636, 1566..1637, 1718..1783, 1735..1806, 1736..1798, 1892..1927, 2043..2174, 2080..2175, 2249..2320, 2251..2316, 2511..2732, 2534..2734, 2537..2713, 2539..2733, 2808..2900, 2816..2947, 2820..2972, 3104..3175, 3105..3176, 3105..3176, 3757..3996, 3766..3954, 3770..4009, 4124..4171, 4461..4655, 4464..4709, 4478..4711, 4940..5065, 4940..5089, 4944..5114, 5206..5340, 5214..5348		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o3.tm	Method	TBLASTX:Maize
Start	1235	End	5607
GI	none	Score	126
Exons	1235..1327, 1242..1325, 1243..1332, 1577..1636, 1578..1637, 1587..1637, 1718..1804, 1736..1798, 1737..1805, 1892..1927, 2080..2175, 2082..2174, 2250..2321, 2252..2320, 2534..2734, 2537..2722, 2539..2733, 2809..2937, 2813..2944, 2816..2938,		

2820..2972, 3104..3175, 3105..3176, 3108..3176, 3757..3969,
3757..3996, 3770..4009, 4123..4176, 4124..4174, 4464..4715,
4466..4708, 4940..5083, 4944..5087, 4944..5114, 4945..5088,
5206..5340, 5214..5354, 5219..5356, 5228..5428, 5405..5452,
5406..5453, 5407..5451, 5442..5498, 5449..5541, 5459..5497,
5490..5558, 5490..5546, 5492..5560, 5581..5607

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o6.tm	Method	TBLASTX:Maize
Start	6292	End	8482
GI	none	Score	104

Exons 6292..6378, 6292..6378, 6294..6380, 6458..6505, 6463..6510,
6474..6503, 6804..6902, 6805..6903, 6809..6910, 6812..6910,
6977..7090, 6992..7090, 6996..7106, 7315..7422, 7319..7423,
7319..7423, 7320..7424, 7504..7524, 7667..7750, 7668..7748,
8087..8221, 8112..8222, 8114..8221, 8401..8466, 8411..8479,
8411..8482, 8418..8480

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o1.tw	Method	TBLASTX:Wheat
Start	12378	End	12963
GI	none	Score	60

Exons 12378..12428, 12393..12434, 12550..12738, 12555..12737,
12722..12787, 12723..12782, 12892..12963, 12893..12952,
12904..12963

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o4.tm	Method	TBLASTX:Maize
Start	12384	End	12959
GI	none	Score	55

Exons 12384..12434, 12385..12435, 12555..12737, 12556..12738,
12721..12768, 12722..12787, 12723..12785, 12892..12957,
12893..12940, 12894..12959, 12895..12957

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o3.tc	Method	TBLASTX:Cress
Start	12390	End	12960
GI	none	Score	53

Exons 12390..12434, 12391..12435, 12555..12737, 12556..12723,
12713..12787, 12726..12785, 12894..12959, 12895..12960

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o5.ts	Method	TBLASTX:Soybean
Start	12393	End	12966
GI	none	Score	42

Exons 12393..12434, 12397..12435, 12547..12738, 12555..12737,
12713..12787, 12723..12785, 12894..12965, 12895..12966

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o4.gs	Method	GENSCAN
Start	15102	End	28873
GI	none	Score	.71
Exons	15102..15511, 17624..17864, 17985..18239, 18389..18674, 18805..19110, 19203..19477, 21799..22017, 22171..23736, 23945..24106, 24826..24926, 25608..26462, 26951..27420, 27496..27560, 27660..28003, 28093..28272, 28750..28873		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o6.gp	Method	AAT/GAP
Start	15349	End	15610
GI	none	Score	504
Exons	15349..15610		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o1.tm	Method	TBLASTX:Maize
Start	17598	End	22899
GI	none	Score	148
Exons	17598..17651, 17633..17833, 17663..17857, 17667..17864, 17670..17858, 17677..17868, 17680..17865, 17980..18240, 17984..18241, 17985..18242, 18075..18269, 18389..18658, 18389..18658, 18522..18659, 18806..19057, 18813..19064, 18816..19109, 18817..19104, 18821..19111, 19161..19226, 19202..19480, 19203..19478, 19204..19479, 19293..19481, 21763..22020, 21788..22024, 21797..22018, 21799..22020, 22262..22879, 22279..22899, 22289..22372, 22291..22896		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o4.np	Method	AAT/NAP
Start	17601	End	29461
GI	4008156	Score	7817
Exons	17601..17864, 17985..18239, 18389..18656, 18805..19110, 19203..19477, 21799..22017, 22171..22199, 22236..23736, 23945..24106, 24231..24385, 25608..26474, 26951..27420, 27496..27560, 27660..28003, 28093..28272, 28523..28626, 28750..28859, 29360..29461		
GI Descrip.	(AB008845) NADH dependent Glutamate Synthase [Oryza sativa]		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o1.tc	Method	TBLASTX:Cress
Start	17661	End	21886
GI	none	Score	88
Exons	17661..17858, 17661..17864, 17683..17865, 17988..18077, 17989..18078, 18082..18240, 18084..18242, 18361..18609, 18389..18658, 18389..18658, 18806..18898, 18807..19061,		

18816..19109, 18820..19110, 18961..19113, 19185..19463,
19201..19254, 19202..19465, 19309..19464, 21794..21871,
21799..21885, 21806..21886

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o6.ts	Method	TBLASTX:Soybean
Start	17670	End	19055
GI	none	Score	163
Exons	17670..17864, 17677..17865, 17980..18078, 17988..18077, 18082..18240, 18084..18242, 18389..18643, 18389..18658, 18528..18659, 18799..19053, 18816..19055, 18817..19053		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o7.gp	Method	AAT/GAP
Start	17759	End	18878
GI	22374_1.R1084	Score	1269
Exons	17759..17864, 17985..18239, 18389..18656, 18805..18878		
GI Descrip.	'4008156/dbj|BAA35120.1| 3.0e-64 (AB008845) NADH dependent Glutamate Synthase [Oryza sativa]'		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o3.tw	Method	TBLASTX:Wheat
Start	18500	End	18670
GI	none	Score	135
Exons	18500..18655, 18502..18651, 18527..18670, 18528..18668		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o3.ts	Method	TBLASTX:Soybean
Start	19056	End	22018
GI	none	Score	72
Exons	19056..19109, 19060..19110, 19202..19465, 19203..19463, 19207..19464, 19293..19508, 21771..21956, 21797..22018, 21797..21865, 21799..22017		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o2.tc	Method	TBLASTX:Cress
Start	22309	End	28856
GI	none	Score	234
Exons	22309..22896, 22493..22774, 22835..22879, 23197..23748, 23210..23728, 23948..24106, 23949..24107, 23951..24109, 23971..24114, 24231..24320, 24231..24320, 25606..25788, 25607..25789, 25978..26226, 25994..26227, 26284..26421, 26285..26440, 26952..27056, 27096..27425, 27196..27414, 27744..28001, 27751..27867, 28097..28165, 28136..28279, 28749..28838, 28749..28856, 28750..28842		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12

Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o2.ts	Method	TBLASTX:Soybean
Start	22309	End	27863
GI	none	Score	216
Exons	22309..22743, 22493..22744, 23245..23748, 23246..23731, 23945..24109, 23948..24106, 24031..24114, 24231..24320, 24235..24324, 25606..25788, 25607..25789, 25978..26220, 25991..26221, 26284..26421, 26285..26344, 26946..27035, 27096..27425, 27183..27308, 27205..27426, 27744..27809, 27825..27863		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o9.gp	Method	AAT/GAP
Start	22549	End	22980
GI	uC-osrocyp017g05b1	Score	856
Exons	22549..22980		
GI Descrip.	'4008156/dbj|BAA35120.1| 2.0e-71 (AB008845) NADH dependent Glutamate Synthase [Oryza sativa]'		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o1.ts	Method	TBLASTX:Soybean
Start	22747	End	23244
GI	none	Score	112
Exons	22747..23244, 22749..22898, 22829..23242		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o2.tm	Method	TBLASTX:Maize
Start	23194	End	23992
GI	none	Score	48
Exons	23194..23730, 23197..23400, 23210..23494, 23515..23697, 23546..23728, 23948..23992		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o2.tw	Method	TBLASTX:Wheat
Start	23530	End	24109
GI	none	Score	69
Exons	23530..23694, 23530..23748, 23540..23728, 23948..24106, 23949..24065, 23963..24109		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o5.tm	Method	TBLASTX:Maize
Start	23993	End	24284
GI	none	Score	134
Exons	23993..24109, 23993..24106, 23997..24128, 24230..24283, 24230..24283, 24231..24284, 24231..24284		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o8.ts	Method	TBLASTX:Soybean
Start	25790	End	25974
GI	none	Score	163
Exons	25790..25969, 25791..25973, 25792..25974, 25792..25968		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o5.tc	Method	TBLASTX:Cress
Start	25791	End	25972
GI	none	Score	79
Exons	25791..25967, 25792..25968, 25798..25971, 25799..25972		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o10.gp	Method	AAT/GAP
Start	27529	End	28285
GI	uC-osrocyp007e03b1	Score	1057
Exons	27529..27560, 27660..28003, 28093..28285		
GI Descrip.	'4008156/dbj|BAA35120.1| 1.0e-80 (AB008845) NADH dependent Glutamate Synthase [Oryza sativa]'		

Seq. No.	42506	Seq. ID	OJ000303_18.0328.C12
Gene No.	88624	Strand	-
Start	15102	End	29461
Name	OJ000303_18.0328.C12.o7.ts	Method	TBLASTX:Soybean
Start	27813	End	28186
GI	none	Score	126
Exons	27813..28001, 27870..28007, 27925..28002, 28089..28184, 28094..28186, 28103..28186		

Seq. No.	42507	Seq. ID	OJ000303_18.0328.C14
Gene No.	88625	Strand	-
Start	1	End	782
Name	OJ000303_18.0328.C14.o1.np	Method	AAT/NAP
Start	1	End	782
GI	6006359	Score	74
Exons	1..51, 685..782		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	42507	Seq. ID	OJ000303_18.0328.C14
Gene No.	88625	Strand	-
Start	1	End	782
Name	OJ000303_18.0328.C14.o1.gs	Method	GENSCAN
Start	11	End	131
GI	none	Score	.84
Exons	11..131		

Seq. No.	42508	Seq. ID	OJ000203_05.0315.C1
Gene No.	88626	Strand	-
Start	303	End	1613
Name	OJ000203_05.0315.C1.o1.gs	Method	GENSCAN
Start	303	End	1613

GI	none	Score	.64
Exons	303..664, 936..1172, 1230..1464, 1563..1613		

Seq. No.	42509	Seq. ID	OJ000203_05.0315.C2
Gene No.	88627	Strand	-
Start	526	End	3034
Name	OJ000203_05.0315.C2.o3.tm	Method	TBLASTX:Maize
Start	1	End	264
GI	none	Score	211
Exons	1..264		

Seq. No.	42509	Seq. ID	OJ000203_05.0315.C2
Gene No.	88627	Strand	-
Start	526	End	3034
Name	OJ000203_05.0315.C2.o1.tm	Method	TBLASTX:Maize
Start	496	End	936
GI	none	Score	39
Exons	496..591, 505..591, 589..627, 637..696, 688..936, 691..840, 716..856		

Seq. No.	42509	Seq. ID	OJ000203_05.0315.C2
Gene No.	88627	Strand	-
Start	526	End	3034
Name	OJ000203_05.0315.C2.o1.tw	Method	TBLASTX:Wheat
Start	496	End	856
GI	none	Score	150
Exons	496..549, 601..852, 605..856		

Seq. No.	42509	Seq. ID	OJ000203_05.0315.C2
Gene No.	88627	Strand	-
Start	526	End	3034
Name	OJ000203_05.0315.C2.o1.np	Method	AAT/NAP
Start	526	End	3034
GI	3738337	Score	220
Exons	526..995, 1024..1093, 2606..3034		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	42509	Seq. ID	OJ000203_05.0315.C2
Gene No.	88627	Strand	-
Start	526	End	3034
Name	OJ000203_05.0315.C2.o2.tm	Method	TBLASTX:Maize
Start	2607	End	3026
GI	none	Score	43
Exons	2607..2801, 2832..3026, 2845..2880, 2926..3018		

Seq. No.	42510	Seq. ID	OJ000203_05.0315.C3
Gene No.	88628	Strand	+
Start	1389	End	1862
Name	OJ000203_05.0315.C3.o1.gs	Method	GENSCAN
Start	1389	End	1862
GI	none	Score	.79
Exons	1389..1663, 1784..1862		

Seq. No.	42510	Seq. ID	OJ000203_05.0315.C3
Gene No.	88629	Strand	-
Start	3016	End	3153

Name	OJ000203_05.0315.C3.o2.gs	Method	GENSCAN
Start	3016	End	3153
GI	none	Score	.99
Exons	3016..3153		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88630	Strand	+
Start	2916	End	5160
Name	OJ000203_05.0315.C4.o2.np	Method	AAT/NAP
Start	2916	End	5160
GI	4102839	Score	1150
Exons	2916..3278, 3850..5160		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88631	Strand	+
Start	11009	End	14151
Name	OJ000203_05.0315.C4.o4.np	Method	AAT/NAP
Start	11009	End	14151
GI	7486303	Score	68
Exons	11009..11044, 12500..12618, 14108..14151		
GI Descrip.	hypothetical protein F28J12.40 - Arabidopsis thaliana gi|2832643|emb|CAA16718.1| (AL021710) hypothetical protein [Arabidopsis thaliana] gi|7268631|emb|CAB78840.1| (AL161548) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88632	Strand	+
Start	14269	End	14838
Name	OJ000203_05.0315.C4.o1.gp	Method	AAT/GAP
Start	14269	End	14838
GI	none	Score	1103
Exons	14269..14838		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88633	Strand	-
Start	1	End	2421
Name	OJ000203_05.0315.C4.o1.np	Method	AAT/NAP
Start	1	End	2421
GI	6721512	Score	88
Exons	1..35, 394..536, 563..666, 2378..2421		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88634	Strand	-
Start	2831	End	3250
Name	OJ000203_05.0315.C4.o2.gs	Method	GENSCAN
Start	2831	End	3250
GI	none	Score	.67
Exons	2831..3115, 3125..3250		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88635	Strand	-
Start	3826	End	9975
Name	OJ000203_05.0315.C4.o3.gs	Method	GENSCAN
Start	3826	End	9966
GI	none	Score	.55

Exons	3826..5131, 5561..5698, 6697..6852, 7094..7157, 7283..7577, 7697..7853, 7944..8081, 8284..8860, 9135..9175, 9836..9966

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88635	Strand	-
Start	3826	End	9975
Name	OJ000203_05.0315.C4.o3.np	Method	AAT/NAP
Start	6637	End	9975
GI	4406780	Score	2277
Exons	6637..6852, 7094..7577, 7697..7853, 7944..8081, 8284..8860, 9135..9175, 9836..9975		
GI Descrip.	(AC006532) putative endosomal protein [Arabidopsis thaliana]		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o2.tc	Method	TBLASTX:Cress
Start	3036	End	5214
GI	none	Score	220
Exons	3036..3272, 3973..3999, 4045..4206, 4213..4338, 4221..4322, 4348..4389, 4434..4649, 4435..4740, 4813..5007, 4821..4931, 4861..4989, 5017..5214, 5022..5174		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o3.tw	Method	TBLASTX:Wheat
Start	3036	End	3203
GI	none	Score	208
Exons	3036..3203, 3036..3167		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o6.tm	Method	TBLASTX:Maize
Start	3036	End	3281
GI	none	Score	237
Exons	3036..3281, 3038..3121, 3179..3223		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o4.ts	Method	TBLASTX:Soybean
Start	3036	End	3260
GI	none	Score	213
Exons	3036..3260, 3038..3124, 3179..3223		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o3.tm	Method	TBLASTX:Maize
Start	3973	End	5157
GI	none	Score	38
Exons	3973..3999, 4045..4101, 4096..4146, 4213..4341, 4221..4343, 4348..4389, 4434..4649, 4435..4740, 4812..4931, 4813..5007, 5017..5157, 5019..5156		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o2.ts	Method	TBLASTX:Soybean
Start	4045	End	5151
GI	none	Score	88
Exons	4045..4191, 4231..4299, 4360..4389, 4435..4590, 4597..4740, 4809..4925, 4813..5010, 5026..5151		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o1.tw	Method	TBLASTX:Wheat
Start	4816	End	5151
GI	none	Score	195
Exons	4816..5007, 4824..4922, 4861..4977, 5017..5151, 5019..5084, 5038..5118		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o1.ts	Method	TBLASTX:Soybean
Start	6634	End	8571
GI	none	Score	211
Exons	6634..6825, 6635..6811, 6823..6861, 6826..6858, 6980..7027, 7067..7117, 7091..7237, 7093..7227, 7094..7240, 7215..7577, 7237..7578, 7239..7577, 7682..7852, 7695..7853, 7695..7853, 7943..8083, 7950..8042, 8276..8422, 8277..8420, 8281..8571, 8281..8553, 8283..8570		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o3.tc	Method	TBLASTX:Cress
Start	6634	End	6787
GI	none	Score	106
Exons	6634..6780, 6634..6786, 6635..6787		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o1.tm	Method	TBLASTX:Maize
Start	6739	End	8099
GI	none	Score	96
Exons	6739..6822, 6740..6823, 6820..6858, 6820..6861, 7091..7237, 7092..7229, 7093..7239, 7224..7577, 7237..7578, 7239..7577, 7682..7852, 7695..7853, 7925..8086, 7932..8099, 7932..8087, 7943..8098		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o2.tw	Method	TBLASTX:Wheat
Start	7239	End	7551
GI	none	Score	115
Exons	7239..7514, 7243..7551, 7246..7533		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o1.tc	Method	TBLASTX:Cress
Start	7407	End	8861
GI	none	Score	196
Exons	7407..7577, 7408..7578, 7417..7581, 7597..7653, 7682..7852, 7695..7853, 7932..8042, 7943..8083, 7955..8074, 7957..8082, 8276..8422, 8277..8420, 8281..8613, 8281..8496, 8283..8609, 8640..8861, 8641..8856, 8643..8861		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o2.tm	Method	TBLASTX:Maize
Start	8280	End	9918
GI	none	Score	156
Exons	8280..8402, 8281..8607, 8281..8496, 8283..8609, 8595..8861, 8643..8861, 8666..8878, 9136..9177, 9137..9178, 9838..9918		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o3.ts	Method	TBLASTX:Soybean
Start	8574	End	9912
GI	none	Score	40
Exons	8574..8609, 8588..8608, 8595..8852, 8640..8864, 9133..9177, 9836..9901, 9838..9912		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o4.gs	Method	GENSCAN
Start	12273	End	15674
GI	none	Score	.61
Exons	12273..12720, 13328..13509, 14599..14813, 14873..15674		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o5.tm	Method	TBLASTX:Maize
Start	14590	End	14849
GI	none	Score	192
Exons	14590..14847, 14605..14847, 14622..14849		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o4.tc	Method	TBLASTX:Cress
Start	14871	End	15410
GI	none	Score	47
Exons	14871..14927, 14967..15131, 15076..15132, 15156..15302, 15157..15306, 15333..15410		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684

Name	OJ000203_05.0315.C4.o5.np	Method	AAT/NAP
Start	14892	End	15386
GI	7243648	Score	314
Exons	14892..15386		
GI Descrip.	(AF230502) serine/threonine protein kinase [Oryza sativa subsp. japonica]		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o5.ts	Method	TBLASTX:Soybean
Start	14973	End	15461
GI	none	Score	79
Exons	14973..15347, 15330..15461		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o4.tm	Method	TBLASTX:Maize
Start	15150	End	15491
GI	none	Score	227
Exons	15150..15383, 15160..15330, 15165..15362, 15176..15376, 15182..15385, 15384..15491, 15386..15478, 15390..15482		

Seq. No.	42511	Seq. ID	OJ000203_05.0315.C4
Gene No.	88636	Strand	-
Start	12273	End	15684
Name	OJ000203_05.0315.C4.o2.gp	Method	AAT/GAP
Start	15313	End	15684
GI	none	Score	710
Exons	15313..15684		

Seq. No.	42512	Seq. ID	OJ000203_05.0315.C7
Gene No.	88637	Strand	-
Start	194	End	809
Name	OJ000203_05.0315.C7.o1.gs	Method	GENSCAN
Start	194	End	809
GI	none	Score	.85
Exons	194..616, 696..809		

Seq. No.	42513	Seq. ID	OJ000203_05.0315.C8
Gene No.	88638	Strand	+
Start	234	End	528
Name	OJ000203_05.0315.C8.o1.gp	Method	AAT/GAP
Start	234	End	528
GI	LIB3432-016-P1-K1-B4	Score	446
Exons	234..528		
GI Descrip.	'671740/emb|CAA59218| 3.0e-26 (X84730) ribulose-bisphosphate carboxylase [synthetic construct]'		

Seq. No.	42514	Seq. ID	OJ000203_05.0315.C11
Gene No.	88639	Strand	+
Start	23	End	426
Name	OJ000203_05.0315.C11.o1.gs	Method	GENSCAN
Start	23	End	426
GI	none	Score	.67
Exons	23..96, 357..426		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88640	Strand	+
Start	9798	End	11440
Name	OJ000203_05.0315.C12.o3.np	Method	AAT/NAP
Start	9798	End	11440
GI	7340860	Score	67
Exons	9798..9894, 11393..11440		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88641	Strand	+
Start	11844	End	11934
Name	OJ000203_05.0315.C12.o4.gp	Method	AAT/GAP
Start	11844	End	11934
GI	uC-osflcyp109e03a1	Score	125
Exons	11844..11934		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88642	Strand	+
Start	23327	End	23713
Name	OJ000203_05.0315.C12.o4.gs	Method	GENSCAN
Start	23327	End	23713
GI	none	Score	.88
Exons	23327..23713		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o4.np	Method	AAT/NAP
Start	1	End	15379
GI	5734709	Score	149
Exons	1..118, 2021..2071, 2919..3029, 6932..7139, 10594..10710, 14707..14879, 15129..15379		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o1.gs	Method	GENSCAN
Start	19	End	4140
GI	none	Score	.7
Exons	19..111, 1981..2039, 2953..3143, 3394..4140		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o1.gp	Method	AAT/GAP
Start	2701	End	3452
GI	uC-osroM202038c10a1	Score	984
Exons	2701..3143, 3394..3452		
GI Descrip.	'2792155/emb|CAA11226| 5.0e-24 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o1.tm	Method	TBLASTX:Maize
Start	2928	End	7108
GI	none	Score	149
Exons	2928..3146, 2931..3146, 2932..3150, 3391..3453, 3391..3714, 3392..3736, 3718..4026, 3766..3999, 5448..5696, 5470..5706, 5476..5697, 5615..5704, 6473..6535, 6473..6796, 6474..6806, 6795..7082, 6800..7108		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o1.ts	Method	TBLASTX:Soybean
Start	2928	End	7175
GI	none	Score	41
Exons	2928..3146, 2930..2965, 2997..3146, 3391..3714, 3392..3730, 3767..3889, 3775..4089, 3962..4093, 5452..5697, 5470..5706, 6473..6796, 6474..6794, 6848..7171, 6852..7175		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o2.tc	Method	TBLASTX:Cress
Start	2928	End	5700
GI	none	Score	55
Exons	2928..3017, 3015..3149, 5470..5589, 5477..5539, 5566..5700, 5615..5698		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o1.tc	Method	TBLASTX:Cress
Start	3427	End	7174
GI	none	Score	164
Exons	3427..3687, 3428..3688, 3730..3777, 3826..4092, 3833..3892, 3962..4090, 6509..6769, 6510..6770, 6812..6859, 6908..7174, 6915..7172		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o3.gp	Method	AAT/GAP
Start	5277	End	6638
GI	72092_1.R1084	Score	1079
Exons	5277..5694, 6476..6638		
GI Descrip.	'2792155/emb|CAA11226| 1.0e-30 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o1.np	Method	AAT/NAP
Start	5473	End	7222
GI	6478216	Score	886

Exons	5473..5694, 6476..7222		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o2.np	Method	AAT/NAP
Start	8196	End	9501
GI	6815099	Score	91
Exons	8196..8334, 9468..9501		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88643	Strand	-
Start	1	End	15379
Name	OJ000203_05.0315.C12.o6.gp	Method	AAT/GAP
Start	12603	End	13006
GI	2312652	Score	697
Exons	12603..13006		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	42515	Seq. ID	OJ000203_05.0315.C12
Gene No.	88644	Strand	
Start	23462	End	23731
Name	OJ000203_05.0315.C12.o2.tm	Method	TBLASTX:Maize
Start	23462	End	23731
GI	none	Score	46
Exons	23462..23494, 23463..23519, 23492..23527, 23534..23731, 23545..23730		

Seq. No.	42516	Seq. ID	OJ000203_05.0315.C13
Gene No.	88645	Strand	+
Start	2434	End	5107
Name	OJ000203_05.0315.C13.o1.gs	Method	GENSCAN
Start	2434	End	5065
GI	none	Score	.51
Exons	2434..2463, 3030..3193, 3396..3443, 3975..4090, 4392..4555, 4688..4781, 4824..5065		

Seq. No.	42516	Seq. ID	OJ000203_05.0315.C13
Gene No.	88645	Strand	+
Start	2434	End	5107
Name	OJ000203_05.0315.C13.o1.np	Method	AAT/NAP
Start	4352	End	5107
GI	7228442	Score	672
Exons	4352..5107		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88646	Strand	+
Start	4824	End	8170
Name	OJ000203_05.0315.C14.o1.np	Method	AAT/NAP
Start	4779	End	8170

GI	4406778	Score	3332
Exons	4779..8170		
GI Descrip.	(AC006532) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88646	Strand	+
Start	4824	End	8170
Name	OJ000203_05.0315.C14.o2.gs	Method	GENSCAN
Start	4824	End	8156
GI	none	Score	1
Exons	4824..8156		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88647	Strand	-
Start	3319	End	3683
Name	OJ000203_05.0315.C14.o1.gs	Method	GENSCAN
Start	3319	End	3683
GI	none	Score	.59
Exons	3319..3454, 3460..3683		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88648	Strand	-
Start	8520	End	10893
Name	OJ000203_05.0315.C14.o3.gs	Method	GENSCAN
Start	8520	End	10853
GI	none	Score	.93
Exons	8520..8765, 8955..9134, 9252..9498, 10498..10853		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88648	Strand	-
Start	8520	End	10893
Name	OJ000203_05.0315.C14.o2.np	Method	AAT/NAP
Start	8547	End	10823
GI	6478216	Score	775
Exons	8547..8765, 8955..9134, 9252..9498, 10498..10823		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88648	Strand	-
Start	8520	End	10893
Name	OJ000203_05.0315.C14.o1.gp	Method	AAT/GAP
Start	9457	End	10893
GI	uC-osf1cyp023b05b1	Score	840
Exons	9457..9498, 10498..10893		
GI Descrip.	'2792155/emb|CAA11226| 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o2.tc	Method	TBLASTX:Cress
Start	5223	End	7919
GI	none	Score	58
Exons	5223..5321, 5238..5354, 5250..5363, 5355..5477, 5375..5569, 5376..5477, 5379..5603, 5379..5477, 5381..5428, 5388..5477,		

5439..5582, 5486..5605, 5532..5585, 5598..5717, 5598..5729,
5601..5729, 5610..5726, 5610..5720, 5616..5720, 5694..5876,
5694..5867, 5694..5876, 5694..5876, 5700..5876, 5712..5858,
5730..5867, 5730..5876, 5889..6314, 5892..6386, 5892..6386,
5895..6371, 5895..6248, 5895..6389, 5898..6386, 5904..6227,
5904..6389, 5918..6112, 5996..6220, 5997..6371, 6069..6377,
6117..6389, 6122..6352, 6192..6374, 6255..6386, 6561..6869,
6564..6719, 6567..6866, 6588..6869, 6588..6863, 6597..6869,
6597..6866, 6600..6863, 6603..6743, 6603..6866, 6606..6674,
6606..6878, 6612..6866, 6644..6796, 6644..6739, 6744..6866,
6798..6929, 7794..7919

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o2.tw	Method	TBLASTX:Wheat
Start	5304	End	6869
GI	none	Score	103
Exons	5304..5567, 5415..5477, 5580..5780, 5601..5711, 5637..5720, 5711..5845, 5895..6011, 5930..6082, 5931..6083, 6021..6227, 6074..6220, 6147..6299, 6177..6371, 6215..6352, 6309..6386, 6498..6785, 6582..6719, 6603..6719, 6675..6869, 6729..6866		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o2.ts	Method	TBLASTX:Soybean
Start	5355	End	6866
GI	none	Score	83
Exons	5355..5477, 5367..5477, 5388..5477, 5399..5581, 5529..5582, 5532..5585, 5547..5582, 5586..5720, 5595..5723, 5598..5723, 5598..5729, 5610..5774, 5610..5720, 5694..5882, 5697..5888, 5700..5876, 5712..5858, 5730..5900, 5892..6227, 5892..6386, 5895..6371, 5895..6389, 5898..6386, 5924..6112, 5967..6389, 6197..6331, 6218..6349, 6246..6386, 6567..6866, 6567..6863, 6597..6866, 6597..6866, 6603..6866, 6612..6866, 6644..6796, 6666..6866		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o3.tm	Method	TBLASTX:Maize
Start	5378	End	6952
GI	none	Score	78
Exons	5378..5572, 5379..5477, 5379..5570, 5414..5569, 5532..5579, 5547..5585, 5616..5735, 5742..5876, 5889..6227, 5895..6158, 5930..6157, 5991..6302, 6177..6374, 6561..6950, 6647..6952, 6675..6866, 6683..6865		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o1.ts	Method	TBLASTX:Soybean
Start	7224	End	8132
GI	none	Score	447
Exons	7224..7553, 7229..7552, 7566..7955, 7604..7954, 8028..8132		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o3.tw	Method	TBLASTX:Wheat
Start	7251	End	7498
GI	none	Score	213
Exons	7251..7481, 7271..7498		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o1.tc	Method	TBLASTX:Cress
Start	7259	End	7744
GI	none	Score	386
Exons	7259..7552, 7281..7553, 7566..7742, 7598..7744		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o1.tm	Method	TBLASTX:Maize
Start	7403	End	8132
GI	none	Score	204
Exons	7403..7552, 7404..7553, 7584..7937, 7601..7936, 7929..7955, 8028..8132		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o1.tw	Method	TBLASTX:Wheat
Start	7584	End	7907
GI	none	Score	183
Exons	7584..7778, 7598..7744, 7787..7876, 7788..7907		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o4.tm	Method	TBLASTX:Maize
Start	8547	End	9497
GI	none	Score	107
Exons	8547..8603, 8610..8768, 8646..8768, 8941..9135, 8952..9173, 9239..9373, 9247..9420, 9249..9422, 9426..9497		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o3.ts	Method	TBLASTX:Soybean
Start	8619	End	10775
GI	none	Score	55
Exons	8619..8768, 8952..9038, 8956..9039, 9048..9137, 9049..9111, 9244..9405, 9249..9419, 9450..9500, 10485..10715, 10516..10716, 10746..10775		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o3.tc	Method	TBLASTX:Cress
Start	8991	End	10775

GI	none	Score	79
Exons	8991..9173, 8992..9135, 9247..9366, 9249..9365, 9462..9500, 10495..10725, 10503..10721, 10722..10775		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o2.tm	Method	TBLASTX:Maize
Start	10539	End	10794
GI	none	Score	88
Exons	10539..10793, 10542..10631, 10543..10719, 10750..10794		

Seq. No.	42517	Seq. ID	OJ000203_05.0315.C14
Gene No.	88649	Strand	-
Start	13311	End	13463
Name	OJ000203_05.0315.C14.o4.gs	Method	GENSCAN
Start	13311	End	13463
GI	none	Score	.63
Exons	13311..13463		

Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88650	Strand	+
Start	259	End	8845
Name	OJ000203_05.0315.C15.o1.np	Method	AAT/NAP
Start	259	End	8845
GI	4309698	Score	69
Exons	259..407, 8819..8845		
GI Descrip.	(AC006266) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88651	Strand	+
Start	11895	End	12046
Name	OJ000203_05.0315.C15.o3.np	Method	AAT/NAP
Start	11895	End	12046
GI	6815099	Score	71
Exons	11895..12046		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88652	Strand	-
Start	19	End	9415
Name	OJ000203_05.0315.C15.o1.gs	Method	GENSCAN
Start	19	End	9415
GI	none	Score	.78
Exons	19..212, 217..587, 840..998, 2998..3137, 3670..3825, 3939..4076, 4309..4483, 4814..4993, 7553..7802, 9006..9415		

Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88652	Strand	-
Start	19	End	9415
Name	OJ000203_05.0315.C15.o2.np	Method	AAT/NAP
Start	4313	End	9328
GI	6478216	Score	799
Exons	4313..4531, 4814..4993, 7553..7802, 9006..9328		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88652	Strand	-
Start	19	End	9415
Name	OJ000203_05.0315.C15.o1.gp	Method	AAT/GAP
Start	4322	End	7679
GI	2801031	Score	867
Exons	4322..4531, 4814..4993, 7553..7679		
GI Descrip.	2792155/emb|CAA11226| 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]		

Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88652	Strand	-
Start	19	End	9415
Name	OJ000203_05.0315.C15.o2.gp	Method	AAT/GAP
Start	7684	End	9371
GI	64574_1.R1084	Score	861
Exons	7684..7802, 9006..9371		
GI Descrip.	'2792295 8.0e-24 (AF039182) unknown [Fragaria x ananassa]'		

Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88653	Strand	-
Start	14387	End	15837
Name	OJ000203_05.0315.C15.o4.np	Method	AAT/NAP
Start	14387	End	15837
GI	6478216	Score	218
Exons	14387..14613, 14964..15137, 15766..15837		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88654	Strand	-
Start	16672	End	17170
Name	OJ000203_05.0315.C15.o2.tm	Method	TBLASTX:Maize
Start	4313	End	15140
GI	none	Score	114
Exons	4313..4369, 4388..4534, 4391..4531, 4432..4533, 4446..4547, 4794..4994, 4811..4996, 4841..4996, 7544..7717, 7551..7709, 7745..7798, 7749..7793, 14459..14590, 14469..14594, 14590..14622, 14591..14674, 14961..15005, 14962..14997, 15021..15140, 15037..15138		

Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88654	Strand	-
Start	16672	End	17170
Name	OJ000203_05.0315.C15.o1.ts	Method	TBLASTX:Soybean
Start	4385	End	15140
GI	none	Score	174
Exons	4385..4531, 4907..4996, 7544..7705, 7545..7706, 7745..7819, 9044..9238, 14459..14590, 14478..14594, 14590..14634, 15012..15140		

Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88654	Strand	-
Start	16672	End	17170
Name	OJ000203_05.0315.C15.o1.tc	Method	TBLASTX:Cress
Start	4847	End	15140
GI	none	Score	87

Exons	4847..5059, 7535..7669, 7551..7667, 7766..7804, 9032..9232, 9150..9233, 15030..15140		
Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88654	Strand	-
Start	16672	End	17170
Name	OJ000203_05.0315.C15.o1.tm	Method	TBLASTX:Maize
Start	9047	End	9316
GI	none	Score	120
Exons	9047..9220, 9056..9220, 9230..9316, 9231..9311		
Seq. No.	42518	Seq. ID	OJ000203_05.0315.C15
Gene No.	88654	Strand	-
Start	16672	End	17170
Name	OJ000203_05.0315.C15.o5.np	Method	AAT/NAP
Start	16672	End	17170
GI	7523517	Score	306
Exons	16672..16726, 16871..17170		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	42519	Seq. ID	OJ000203_05.0315.C16
Gene No.	88655	Strand	-
Start	1	End	1268
Name	OJ000203_05.0315.C16.o1.np	Method	AAT/NAP
Start	1	End	1268
GI	6907086	Score	1245
Exons	1..142, 208..460, 518..1268		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	42519	Seq. ID	OJ000203_05.0315.C16
Gene No.	88656	Strand	-
Start	1976	End	5363
Name	OJ000203_05.0315.C16.o2.np	Method	AAT/NAP
Start	1976	End	5363
GI	4680186	Score	169
Exons	1976..2395, 2899..2967, 5301..5363		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	42519	Seq. ID	OJ000203_05.0315.C16
Gene No.	88657	Strand	-
Start	6385	End	7005
Name	OJ000203_05.0315.C16.o2.gs	Method	GENSCAN
Start	6385	End	7005
GI	none	Score	.9
Exons	6385..6488, 6563..6816, 6893..7005		
Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88658	Strand	+
Start	1213	End	4304
Name	OJ000203_05.0315.C17.o2.np	Method	AAT/NAP
Start	1213	End	3395
GI	6721561	Score	1169
Exons	1213..1247, 2210..2436, 2507..2565, 2631..3395		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88658	Strand	+
Start	1213	End	4304
Name	OJ000203_05.0315.C17.o1.gs	Method	GENSCAN
Start	1254	End	4304
GI	none	Score	.54
Exons	1254..1607, 1719..1887, 2053..2150, 2290..2436, 2507..2565, 2859..3334, 3533..3676, 3787..4304		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88658	Strand	+
Start	1213	End	4304
Name	OJ000203_05.0315.C17.o1.np	Method	AAT/NAP
Start	1254	End	3292
GI	6721558	Score	250
Exons	1254..1353, 2053..2187, 2821..2904, 3161..3292		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o2.gs	Method	GENSCAN
Start	4918	End	7850
GI	none	Score	.62
Exons	4918..5165, 5268..5657, 5934..6307, 6386..6996, 7023..7541, 7629..7850		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o3.np	Method	AAT/NAP
Start	4921	End	9788
GI	7228457	Score	3101
Exons	4921..6459, 6526..8185, 8240..9788		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o3.tw	Method	TBLASTX:Wheat
Start	4930	End	5539
GI	none	Score	77
Exons	4930..5061, 5086..5535, 5282..5389, 5282..5539, 5435..5539		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o5.tw	Method	TBLASTX:Wheat
Start	5662	End	6045
GI	none	Score	173
Exons	5662..6045, 5663..6037		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o2.tm	Method	TBLASTX:Maize
Start	5740	End	6045
GI	none	Score	153
Exons	5740..6045, 5741..6028		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o8.tw	Method	TBLASTX:Wheat
Start	6187	End	6508
GI	none	Score	80
Exons	6187..6507, 6188..6508		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o6.tw	Method	TBLASTX:Wheat
Start	6547	End	7003
GI	none	Score	40
Exons	6547..6612, 6547..6720, 6599..6691, 6728..7003, 6730..6990		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o1.ts	Method	TBLASTX:Soybean
Start	7044	End	7469
GI	none	Score	80
Exons	7044..7469, 7285..7410		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o2.tw	Method	TBLASTX:Wheat
Start	7099	End	7523
GI	none	Score	262
Exons	7099..7413, 7101..7523, 7119..7520		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o3.tm	Method	TBLASTX:Maize
Start	7197	End	7580
GI	none	Score	114
Exons	7197..7580, 7198..7413		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o1.tm	Method	TBLASTX:Maize
Start	7608	End	7964
GI	none	Score	227
Exons	7608..7964, 7609..7902, 7659..7910		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o1.tw	Method	TBLASTX:Wheat
Start	7638	End	8094
GI	none	Score	389
Exons	7638..8093, 7639..8094		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o3.ts	Method	TBLASTX:Soybean
Start	7689	End	8054
GI	none	Score	99
Exons	7689..7823, 7830..8054		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o3.gs	Method	GENSCAN
Start	8103	End	13199
GI	none	Score	.63
Exons	8103..8701, 8807..9520, 9763..9862, 9878..10148, 10243..10838, 11099..11264, 11426..11717, 11719..11797, 12081..12258, 12859..12940, 12990..13123, 13132..13199		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o4.tw	Method	TBLASTX:Wheat
Start	8286	End	8741
GI	none	Score	129
Exons	8286..8522, 8296..8520, 8559..8741, 8560..8733		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o7.tw	Method	TBLASTX:Wheat
Start	9324	End	9722
GI	none	Score	64
Exons	9324..9722, 9415..9597, 9670..9708		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o4.np	Method	AAT/NAP
Start	9629	End	11721
GI	7523517	Score	320
Exons	9629..9667, 11204..11266, 11417..11721		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o5.np	Method	AAT/NAP
Start	10008	End	13184
GI	6478216	Score	328

Exons	10008..10048, 11735..11834, 11998..12258, 12859..13184		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o2.ts	Method	TBLASTX:Soybean
Start	12075	End	13191
GI	none	Score	65
Exons	12075..12128, 12204..12260, 12858..12974, 12877..12999, 13009..13077, 13098..13181, 13111..13191		

Seq. No.	42520	Seq. ID	OJ000203_05.0315.C17
Gene No.	88659	Strand	-
Start	4918	End	13384
Name	OJ000203_05.0315.C17.o1.gp	Method	AAT/GAP
Start	12951	End	13384
GI	LIB3477-003-P1-K1-E9	Score	188
Exons	12951..12984, 13268..13384		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	42521	Seq. ID	OJ000203_05.0315.C18
Gene No.	88660	Strand	+
Start	116	End	640
Name	OJ000203_05.0315.C18.o1.gs	Method	GENSCAN
Start	116	End	640
GI	none	Score	.84
Exons	116..236, 619..640		

Seq. No.	42521	Seq. ID	OJ000203_05.0315.C18
Gene No.	88661	Strand	+
Start	973	End	1191
Name	OJ000203_05.0315.C18.o2.gs	Method	GENSCAN
Start	973	End	1191
GI	none	Score	.83
Exons	973..1191		

Seq. No.	42522	Seq. ID	OJ000203_05.0315.C19
Gene No.	88662	Strand	+
Start	1	End	4153
Name	OJ000203_05.0315.C19.o1.np	Method	AAT/NAP
Start	1	End	1712
GI	7228442	Score	593
Exons	1..529, 1687..1712		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	42522	Seq. ID	OJ000203_05.0315.C19
Gene No.	88662	Strand	+
Start	1	End	4153
Name	OJ000203_05.0315.C19.o4.np	Method	AAT/NAP
Start	1	End	4153
GI	7228438	Score	94

Exons	1..102, 3653..3849, 4037..4153		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		
Seq. No.	42522	Seq. ID	OJ000203_05.0315.C19
Gene No.	88662	Strand	+
Start	1	End	4153
Name	OJ000203_05.0315.C19.o2.np	Method	AAT/NAP
Start	1	End	2607
GI	5441880	Score	338
Exons	1..465, 2430..2607		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	42522	Seq. ID	OJ000203_05.0315.C19
Gene No.	88662	Strand	+
Start	1	End	4153
Name	OJ000203_05.0315.C19.o1.gs	Method	GENSCAN
Start	145	End	4015
GI	none	Score	.48
Exons	145..606, 1224..1593, 1787..1895, 2995..3060, 3563..3714, 3903..4015		
Seq. No.	42522	Seq. ID	OJ000203_05.0315.C19
Gene No.	88663	Strand	-
Start	1697	End	4153
Name	OJ000203_05.0315.C19.o3.np	Method	AAT/NAP
Start	1697	End	4153
GI	6721516	Score	576
Exons	1697..1875, 2335..2671, 3084..3324, 4067..4153		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	42523	Seq. ID	OJ000203_05.0315.C21
Gene No.	88664	Strand	+
Start	336	End	5224
Name	OJ000203_05.0315.C21.o1.gs	Method	GENSCAN
Start	336	End	5224
GI	none	Score	.65
Exons	336..360, 413..741, 1308..1409, 2077..2172, 2199..2320, 3054..3156, 3347..3422, 3431..4478, 5185..5224		
Seq. No.	42523	Seq. ID	OJ000203_05.0315.C21
Gene No.	88664	Strand	+
Start	336	End	5224
Name	OJ000203_05.0315.C21.o1.np	Method	AAT/NAP
Start	3457	End	4479
GI	7527723	Score	512
Exons	3457..3745, 3906..4479		
GI Descrip.	(AC010657) T5E21.17 [Arabidopsis thaliana]		
Seq. No.	42523	Seq. ID	OJ000203_05.0315.C21
Gene No.	88664	Strand	+
Start	336	End	5224
Name	OJ000203_05.0315.C21.o1.ts	Method	TBLASTX:Soybean
Start	4026	End	4482

GI	none	Score	206
Exons	4026..4076, 4124..4333, 4125..4475, 4149..4481, 4150..4482		

Seq. No.	42523	Seq. ID	OJ000203_05.0315.C21
Gene No.	88664	Strand	+
Start	336	End	5224
Name	OJ000203_05.0315.C21.o1.tc	Method	TBLASTX:Cress
Start	4149	End	4505
GI	none	Score	217
Exons	4149..4295, 4150..4293, 4309..4347, 4338..4481, 4339..4482, 4350..4505		

Seq. No.	42523	Seq. ID	OJ000203_05.0315.C21
Gene No.	88664	Strand	+
Start	336	End	5224
Name	OJ000203_05.0315.C21.o1.tm	Method	TBLASTX:Maize
Start	4150	End	4482
GI	none	Score	361
Exons	4150..4482, 4179..4481		

Seq. No.	42523	Seq. ID	OJ000203_05.0315.C21
Gene No.	88664	Strand	+
Start	336	End	5224
Name	OJ000203_05.0315.C21.o1.gp	Method	AAT/GAP
Start	4421	End	4782
GI	none	Score	662
Exons	4421..4782		

Seq. No.	42524	Seq. ID	OJ000203_05.0315.C22
Gene No.	88665	Strand	+
Start	377	End	649
Name	OJ000203_05.0315.C22.o1.gp	Method	AAT/GAP
Start	377	End	649
GI	LIB3432-016-P1-K1-B4	Score	365
Exons	377..649		
GI Descrip.	'671740/emb|CAA59218| 3.0e-26 (X84730) ribulose-bisphosphate carboxylase [synthetic construct]'		

Seq. No.	42525	Seq. ID	OJ000203_05.0315.C23
Gene No.	88666	Strand	+
Start	1	End	3032
Name	OJ000203_05.0315.C23.o1.np	Method	AAT/NAP
Start	1	End	571
GI	5922620	Score	180
Exons	1..55, 438..571		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42525	Seq. ID	OJ000203_05.0315.C23
Gene No.	88666	Strand	+
Start	1	End	3032
Name	OJ000203_05.0315.C23.o1.gs	Method	GENSCAN
Start	358	End	1858
GI	none	Score	.73

Exons	358..594, 715..798, 889..957, 995..1104, 1187..1215, 1320..1344, 1656..1858		
Seq. No.	42525	Seq. ID	OJ000203_05.0315.C23
Gene No.	88666	Strand	+
Start	1	End	3032
Name	OJ000203_05.0315.C23.o3.np	Method	AAT/NAP
Start	847	End	3032
GI	5922620	Score	483
Exons	847..1000, 1320..1344, 2214..2430, 2534..2705, 2742..2835, 2901..3032		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	42525	Seq. ID	OJ000203_05.0315.C23
Gene No.	88667	Strand	-
Start	709	End	2053
Name	OJ000203_05.0315.C23.o2.np	Method	AAT/NAP
Start	709	End	2053
GI	6630699	Score	73
Exons	709..786, 2018..2053		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	42525	Seq. ID	OJ000203_05.0315.C23
Gene No.	88668	Strand	-
Start	2230	End	2511
Name	OJ000203_05.0315.C23.o2.gs	Method	GENSCAN
Start	2230	End	2511
GI	none	Score	.87
Exons	2230..2294, 2358..2511		
Seq. No.	42526	Seq. ID	OJ000203_06.0316.C2
Gene No.	88669	Strand	-
Start	562	End	1647
Name	OJ000203_06.0316.C2.o1.gs	Method	GENSCAN
Start	562	End	1647
GI	none	Score	.46
Exons	562..716, 862..934, 1510..1647		
Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88670	Strand	+
Start	102	End	7100
Name	OJ000203_06.0316.C4.o1.gs	Method	GENSCAN
Start	102	End	5241
GI	none	Score	.79
Exons	102..321, 1434..1570, 2003..2062, 2840..2889, 3296..3378, 3654..3724, 4048..4198, 4698..4807, 5146..5241		
Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88670	Strand	+
Start	102	End	7100
Name	OJ000203_06.0316.C4.o1.gp	Method	AAT/GAP

Start	1458	End	2480
GI	58686_1.R1084	Score	565
Exons	1458..1570, 2003..2062, 2149..2202, 2285..2345, 2433..2480		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88670	Strand	+
Start	102	End	7100
Name	OJ000203_06.0316.C4.o1.np	Method	AAT/NAP
Start	2474	End	7100
GI	7271117	Score	221
Exons	2474..2509, 2840..2889, 3296..3378, 3654..3724, 4048..4168, 7081..7100		
GI Descrip.	(AJ276422) 25.7 kDa protein [Cicer arietinum]		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88670	Strand	+
Start	102	End	7100
Name	OJ000203_06.0316.C4.o2.gp	Method	AAT/GAP
Start	4061	End	5402
GI	none	Score	1114
Exons	4061..4198, 4510..4644, 4715..4807, 5146..5402		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88671	Strand	-
Start	6251	End	7100
Name	OJ000203_06.0316.C4.o3.tm	Method	TBLASTX:Maize
Start	156	End	377
GI	none	Score	173
Exons	156..326, 218..283, 306..377, 315..377		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88671	Strand	-
Start	6251	End	7100
Name	OJ000203_06.0316.C4.o2.ts	Method	TBLASTX:Soybean
Start	1993	End	4161
GI	none	Score	71
Exons	1993..2058, 1997..2062, 2149..2202, 2157..2195, 2269..2337, 2270..2344, 2270..2344, 2430..2510, 2431..2511, 2432..2512, 2828..2905, 2839..2886, 3296..3367, 3300..3383, 3309..3371, 3653..3724, 3670..3729, 4042..4161, 4053..4106		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88671	Strand	-
Start	6251	End	7100
Name	OJ000203_06.0316.C4.o2.tc	Method	TBLASTX:Cress
Start	1997	End	3359
GI	none	Score	79
Exons	1997..2062, 2149..2202, 2270..2344, 2270..2344, 2431..2511, 2432..2515, 2828..2905, 2839..2889, 3300..3359		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88671	Strand	-
Start	6251	End	7100
Name	OJ000203_06.0316.C4.o2.tm	Method	TBLASTX:Maize
Start	1997	End	4800

GI	none	Score	97
Exons	1997..2062, 2000..2062, 2023..2064, 2148..2204, 2149..2202, 2269..2343, 2270..2344, 2279..2344, 2432..2512, 2434..2511, 2822..2905, 2824..2889, 3288..3383, 3293..3376, 3294..3380, 3652..3723, 3653..3724, 3654..3725, 3661..3726, 4042..4125, 4047..4124, 4114..4173, 4126..4173, 4506..4550, 4507..4551, 4509..4556, 4575..4643, 4588..4653, 4595..4648, 4702..4800		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88671	Strand	-
Start	6251	End	7100
Name	OJ000203_06.0316.C4.o2.np	Method	AAT/NAP
Start	6081	End	7100
GI	7487241	Score	299
Exons	6081..6650, 7045..7100		
GI Descrip.	hypothetical protein T20B5.3 - Arabidopsis thaliana gi|2623297|gb|AAB86443.1| (AC002409) unknown protein [Arabidopsis thaliana] gi|3790583|gb|AAC69854.1| (AF079180) RING-H2 finger protein RHC1a [Arabidopsis thaliana]		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88671	Strand	-
Start	6251	End	7100
Name	OJ000203_06.0316.C4.o1.tc	Method	TBLASTX:Cress
Start	6216	End	6649
GI	none	Score	147
Exons	6216..6251, 6360..6515, 6368..6514, 6515..6589, 6516..6590, 6599..6649		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88671	Strand	-
Start	6251	End	7100
Name	OJ000203_06.0316.C4.o1.tm	Method	TBLASTX:Maize
Start	6216	End	6646
GI	none	Score	114
Exons	6216..6251, 6368..6466, 6375..6467, 6459..6644, 6467..6646		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88671	Strand	-
Start	6251	End	7100
Name	OJ000203_06.0316.C4.o2.gs	Method	GENSCAN
Start	6251	End	7091
GI	none	Score	.74
Exons	6251..6889, 6954..7091		

Seq. No.	42527	Seq. ID	OJ000203_06.0316.C4
Gene No.	88671	Strand	-
Start	6251	End	7100
Name	OJ000203_06.0316.C4.o1.ts	Method	TBLASTX:Soybean
Start	6368	End	6658
GI	none	Score	218
Exons	6368..6658, 6375..6656		

Seq. No.	42528	Seq. ID	OJ000203_06.0316.C5
Gene No.	88672	Strand	+
Start	148	End	4593
Name	OJ000203_06.0316.C5.o1.gs	Method	GENSCAN

Start	148	End	3929
GI	none	Score	.63
Exons	148..202, 1058..1545, 2353..2714, 2815..2858, 3715..3929		

Seq. No.	42528	Seq. ID	OJ000203_06.0316.C5
Gene No.	88672	Strand	+
Start	148	End	4593
Name	OJ000203_06.0316.C5.o1.gp	Method	AAT/GAP
Start	1111	End	3929
GI	61_1.R1084	Score	2029
Exons	1111..1545, 2353..2714, 2815..2858, 3715..3929		
GI Descrip.	'3318615/dbj|BAA31584.1| 0.0e+00 (AB016065) mitochondrial phosphate transporter [Oryza sativa]'		

Seq. No.	42528	Seq. ID	OJ000203_06.0316.C5
Gene No.	88672	Strand	+
Start	148	End	4593
Name	OJ000203_06.0316.C5.o1.tm	Method	TBLASTX:Maize
Start	1137	End	3937
GI	none	Score	42
Exons	1137..1172, 1251..1283, 1276..1338, 1278..1346, 1380..1544, 1407..1544, 1414..1548, 2350..2715, 2352..2714, 2520..2729, 2814..2885, 2816..2857, 3710..3937, 3711..3929, 3874..3930		

Seq. No.	42528	Seq. ID	OJ000203_06.0316.C5
Gene No.	88672	Strand	+
Start	148	End	4593
Name	OJ000203_06.0316.C5.o1.np	Method	AAT/NAP
Start	1252	End	4593
GI	3318615	Score	1481
Exons	1252..1545, 2353..2714, 2815..2858, 3715..3929, 4405..4593		
GI Descrip.	(AB016065) mitochondrial phosphate transporter [Oryza sativa]		

Seq. No.	42528	Seq. ID	OJ000203_06.0316.C5
Gene No.	88672	Strand	+
Start	148	End	4593
Name	OJ000203_06.0316.C5.o1.tc	Method	TBLASTX:Cress
Start	1420	End	3929
GI	none	Score	196
Exons	1420..1548, 1431..1544, 2350..2706, 2350..2706, 2352..2714, 2816..2857, 3710..3928, 3711..3929		

Seq. No.	42528	Seq. ID	OJ000203_06.0316.C5
Gene No.	88672	Strand	+
Start	148	End	4593
Name	OJ000203_06.0316.C5.o1.ts	Method	TBLASTX:Soybean
Start	1428	End	3930
GI	none	Score	101
Exons	1428..1544, 1429..1548, 1431..1544, 2342..2644, 2350..2715, 2352..2714, 2816..2857, 3710..3928, 3711..3929, 3787..3930		

Seq. No.	42528	Seq. ID	OJ000203_06.0316.C5
Gene No.	88672	Strand	+
Start	148	End	4593
Name	OJ000203_06.0316.C5.o1.tw	Method	TBLASTX:Wheat
Start	2350	End	2845
GI	none	Score	514

Exons	2350..2715, 2351..2716, 2352..2714, 2813..2845, 2816..2845		
Seq. No.	42529	Seq. ID	OJ000203_06.0316.C7
Gene No.	88673	Strand	-
Start	1055	End	1174
Name	OJ000203_06.0316.C7.o1.gs	Method	GENSCAN
Start	1055	End	1174
GI	none	Score	.69
Exons	1055..1174		
Seq. No.	42530	Seq. ID	OJ000203_06.0316.C8
Gene No.	88674	Strand	+
Start	2666	End	3161
Name	OJ000203_06.0316.C8.o2.gp	Method	AAT/GAP
Start	2666	End	3161
GI	38782_1.R1084	Score	831
Exons	2666..3161		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	42530	Seq. ID	OJ000203_06.0316.C8
Gene No.	88675	Strand	-
Start	1	End	3423
Name	OJ000203_06.0316.C8.o1.np	Method	AAT/NAP
Start	1	End	1232
GI	6907086	Score	1158
Exons	1..418, 476..1232		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	42530	Seq. ID	OJ000203_06.0316.C8
Gene No.	88675	Strand	-
Start	1	End	3423
Name	OJ000203_06.0316.C8.o1.gs	Method	GENSCAN
Start	456	End	2882
GI	none	Score	.61
Exons	456..970, 1474..1609, 2182..2356, 2770..2882		
Seq. No.	42530	Seq. ID	OJ000203_06.0316.C8
Gene No.	88675	Strand	-
Start	1	End	3423
Name	OJ000203_06.0316.C8.o1.gp	Method	AAT/GAP
Start	1317	End	1508
GI	5667165	Score	360
Exons	1317..1508		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	42530	Seq. ID	OJ000203_06.0316.C8
Gene No.	88675	Strand	-
Start	1	End	3423
Name	OJ000203_06.0316.C8.o2.np	Method	AAT/NAP
Start	1942	End	3423
GI	4680186	Score	176
Exons	1942..2360, 2862..2951, 3363..3423		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	42531	Seq. ID	OJ000203_06.0316.C9

Gene No.	88676	Strand	+
Start	714	End	3209
Name	OJ000203_06.0316.C9.o1.gs	Method	GENSCAN
Start	714	End	3181
GI	none	Score	.92
Exons	714..904, 1796..1858, 1948..2064, 2166..2571, 2667..2818, 2956..3181		

Seq. No.	42531	Seq. ID	OJ000203_06.0316.C9
Gene No.	88676	Strand	+
Start	714	End	3209
Name	OJ000203_06.0316.C9.o1.np	Method	AAT/NAP
Start	714	End	3191
GI	6552743	Score	787
Exons	714..904, 1796..1858, 1948..2066, 2162..2571, 2667..2818, 2956..3191		
GI Descrip.	(AC013482) T26F17.11 [Arabidopsis thaliana]		

Seq. No.	42531	Seq. ID	OJ000203_06.0316.C9
Gene No.	88676	Strand	+
Start	714	End	3209
Name	OJ000203_06.0316.C9.o2.gp	Method	AAT/GAP
Start	2450	End	3209
GI	15115_1.R1084	Score	960
Exons	2450..2571, 2667..2818, 2956..3209		
GI Descrip.	'4056506 2.0e-26 (AC005896) nodulin-like protein [Arabidopsis thaliana]'		

Seq. No.	42531	Seq. ID	OJ000203_06.0316.C9
Gene No.	88677	Strand	-
Start	1794	End	3025
Name	OJ000203_06.0316.C9.o2.tm	Method	TBLASTX:Maize
Start	706	End	2306
GI	none	Score	97
Exons	706..795, 713..904, 714..905, 1787..1849, 1793..1864, 1794..1859, 1821..1874, 1914..1976, 1940..2065, 1948..2079, 2161..2301, 2163..2306		

Seq. No.	42531	Seq. ID	OJ000203_06.0316.C9
Gene No.	88677	Strand	-
Start	1794	End	3025
Name	OJ000203_06.0316.C9.o2.tc	Method	TBLASTX:Cress
Start	723	End	1859
GI	none	Score	181
Exons	723..905, 746..907, 1794..1859		

Seq. No.	42531	Seq. ID	OJ000203_06.0316.C9
Gene No.	88677	Strand	-
Start	1794	End	3025
Name	OJ000203_06.0316.C9.o1.tw	Method	TBLASTX:Wheat
Start	726	End	2261
GI	none	Score	74
Exons	726..782, 728..778, 776..901, 777..905, 1803..1859, 1939..2061, 1940..2065, 2158..2259, 2166..2261, 2166..2261		

Seq. No.	42531	Seq. ID	OJ000203_06.0316.C9
Gene No.	88677	Strand	-

Start	1794	End	3025
Name	OJ000203_06.0316.C9.o1.ts	Method	TBLASTX:Soybean
Start	732	End	2729
GI	none	Score	162
Exons	732..905, 743..907, 1776..1859, 1943..2065, 1948..2064, 2158..2277, 2163..2267, 2344..2511, 2352..2510, 2476..2571, 2666..2728, 2667..2729		

Seq. No.	42531	Seq. ID	OJ000203_06.0316.C9
Gene No.	88677	Strand	-
Start	1794	End	3025
Name	OJ000203_06.0316.C9.o1.gp	Method	AAT/GAP
Start	1794	End	1859
GI	uC-osroM202011f01b1	Score	112
Exons	1794..1859		
GI Descrip.	'2623304 1.0e-16 (AC002409) similar to Medicago nodulin N21 [Arabidopsis thaliana]'		

Seq. No.	42531	Seq. ID	OJ000203_06.0316.C9
Gene No.	88677	Strand	-
Start	1794	End	3025
Name	OJ000203_06.0316.C9.o1.tc	Method	TBLASTX:Cress
Start	1946	End	2819
GI	none	Score	122
Exons	1946..2065, 2158..2280, 2344..2514, 2512..2571, 2667..2819		

Seq. No.	42531	Seq. ID	OJ000203_06.0316.C9
Gene No.	88677	Strand	-
Start	1794	End	3025
Name	OJ000203_06.0316.C9.o1.tm	Method	TBLASTX:Maize
Start	2374	End	3025
GI	none	Score	276
Exons	2374..2571, 2376..2585, 2666..2818, 2667..2816, 2951..3025, 2954..3019		

Seq. No.	42532	Seq. ID	OJ000203_06.0316.C10
Gene No.	88678	Strand	+
Start	383	End	2638
Name	OJ000203_06.0316.C10.o1.gs	Method	GENSCAN
Start	383	End	2588
GI	none	Score	.74
Exons	383..607, 2153..2231, 2237..2403, 2512..2588		

Seq. No.	42532	Seq. ID	OJ000203_06.0316.C10
Gene No.	88678	Strand	+
Start	383	End	2638
Name	OJ000203_06.0316.C10.o1.np	Method	AAT/NAP
Start	395	End	2427
GI	6552742	Score	340
Exons	395..607, 2180..2427		
GI Descrip.	(AC013482) T26F17.12 [Arabidopsis thaliana]		

Seq. No.	42532	Seq. ID	OJ000203_06.0316.C10
Gene No.	88678	Strand	+
Start	383	End	2638
Name	OJ000203_06.0316.C10.o1.tm	Method	TBLASTX:Maize
Start	469	End	2596

GI	none	Score	196
Exons	469..612, 485..610, 2173..2268, 2177..2269, 2183..2266, 2266..2403, 2268..2429, 2269..2403, 2509..2595, 2510..2596, 2512..2589		
Seq. No.	42532	Seq. ID	OJ000203_06.0316.C10
Gene No.	88678	Strand	+
Start	383	End	2638
Name	OJ000203_06.0316.C10.o1.tw	Method	TBLASTX:Wheat
Start	469	End	2374
GI	none	Score	56
Exons	469..612, 477..521, 485..607, 2173..2265, 2177..2266, 2183..2266, 2233..2373, 2236..2373, 2270..2374, 2270..2374		
Seq. No.	42532	Seq. ID	OJ000203_06.0316.C10
Gene No.	88678	Strand	+
Start	383	End	2638
Name	OJ000203_06.0316.C10.o1.ts	Method	TBLASTX:Soybean
Start	472	End	2638
GI	none	Score	105
Exons	472..555, 488..577, 2173..2268, 2177..2302, 2183..2266, 2268..2324, 2269..2325, 2326..2403, 2335..2403, 2337..2429, 2512..2589, 2524..2595, 2591..2638		
Seq. No.	42532	Seq. ID	OJ000203_06.0316.C10
Gene No.	88678	Strand	+
Start	383	End	2638
Name	OJ000203_06.0316.C10.o1.tc	Method	TBLASTX:Cress
Start	499	End	2589
GI	none	Score	121
Exons	499..612, 500..610, 2179..2268, 2183..2266, 2268..2303, 2269..2310, 2326..2403, 2340..2402, 2512..2589		
Seq. No.	42532	Seq. ID	OJ000203_06.0316.C10
Gene No.	88678	Strand	+
Start	383	End	2638
Name	OJ000203_06.0316.C10.o1.gp	Method	AAT/GAP
Start	2366	End	2592
GI	51163_1.R1084	Score	199
Exons	2366..2403, 2512..2592		
GI Descrip.	'3548801 4.0e-12 (AC005313) putative transmembrane protein [Arabidopsis thaliana] >gi_4335768_gb_AAD17445_ (AC006284) putative integral membrane protein [Arabidopsis thaliana]'		
Seq. No.	42533	Seq. ID	OJ000203_06.0316.C11
Gene No.	88679	Strand	+
Start	1	End	266
Name	OJ000203_06.0316.C11.o1.np	Method	AAT/NAP
Start	1	End	266
GI	7487150	Score	104
Exons	1..266		
GI Descrip.	hypothetical protein T18E12.4 - Arabidopsis thaliana gi|4335768|gb|AAD17445.1| (AC006284) putative Golgi-associated membrane trafficking protein [Arabidopsis thaliana]		
Seq. No.	42533	Seq. ID	OJ000203_06.0316.C11
Gene No.	88680	Strand	+

Start	1401	End	3137
Name	OJ000203_06.0316.C11.o2.np	Method	AAT/NAP
Start	1401	End	2991
GI	4874269	Score	251
Exons	1401..1581, 1880..2050, 2124..2486, 2710..2991		
GI Descrip.	(AC007354) T16B5.7 [Arabidopsis thaliana] gi|6573742|gb|AAF17662.1|AC009398_11 (AC009398) F20B24.21 [Arabidopsis thaliana]		

Seq. No.	42533	Seq. ID	OJ000203_06.0316.C11
Gene No.	88680	Strand	+
Start	1401	End	3137
Name	OJ000203_06.0316.C11.o1.gs	Method	GENSCAN
Start	1412	End	3137
GI	none	Score	.68
Exons	1412..1643, 1935..2044, 2124..2448, 3007..3137		

Seq. No.	42533	Seq. ID	OJ000203_06.0316.C11
Gene No.	88681	Strand	-
Start	123	End	525
Name	OJ000203_06.0316.C11.o1.gp	Method	AAT/GAP
Start	123	End	525
GI	51163_1.R1084	Score	723
Exons	123..525		
GI Descrip.	'3548801 4.0e-12 (AC005313) putative transmembrane protein [Arabidopsis thaliana] >gi_4335768_gb_AAD17445_ (AC006284) putative integral membrane protein [Arabidopsis thaliana]'		

Seq. No.	42533	Seq. ID	OJ000203_06.0316.C11
Gene No.	88682	Strand	-
Start	4189	End	4923
Name	OJ000203_06.0316.C11.o1.tm	Method	TBLASTX:Maize
Start	4182	End	4661
GI	none	Score	99
Exons	4182..4262, 4183..4260, 4184..4270, 4362..4454, 4364..4456, 4364..4456, 4539..4661, 4539..4634, 4544..4657		

Seq. No.	42533	Seq. ID	OJ000203_06.0316.C11
Gene No.	88682	Strand	-
Start	4189	End	4923
Name	OJ000203_06.0316.C11.o3.np	Method	AAT/NAP
Start	4188	End	4790
GI	7486868	Score	268
Exons	4188..4259, 4364..4450, 4541..4790		
GI Descrip.	hypothetical protein T12G13.120 - Arabidopsis thaliana gi|5262201|emb|CAB45798.1| (AL080252) putative protein [Arabidopsis thaliana] gi|7267468|emb|CAB81164.1| (AL161510) putative protein [Arabidopsis thaliana]		

Seq. No.	42533	Seq. ID	OJ000203_06.0316.C11
Gene No.	88682	Strand	-
Start	4189	End	4923
Name	OJ000203_06.0316.C11.o2.gs	Method	GENSCAN
Start	4189	End	4923
GI	none	Score	.78
Exons	4189..4320, 4364..4453, 4526..4699, 4729..4923		

Seq. No.	42533	Seq. ID	OJ000203_06.0316.C11
Gene No.	88682	Strand	-
Start	4189	End	4923
Name	OJ000203_06.0316.C11.o1.tc	Method	TBLASTX:Cress
Start	4206	End	4660
GI	none	Score	50
Exons	4206..4262, 4210..4260, 4362..4457, 4364..4456, 4544..4660, 4563..4658		

Seq. No.	42533	Seq. ID	OJ000203_06.0316.C11
Gene No.	88682	Strand	-
Start	4189	End	4923
Name	OJ000203_06.0316.C11.o2.gp	Method	AAT/GAP
Start	4391	End	4813
GI	uC-osflcyp081a04b1	Score	585
Exons	4391..4453, 4544..4813		
GI Descrip.	'5262201/emb|CAB45798.1| 2.0e-19 (AL080252) putative protein [Arabidopsis thaliana]'		

Seq. No.	42534	Seq. ID	OJ000203_06.0316.C18
Gene No.	88683	Strand	-
Start	1354	End	1589
Name	OJ000203_06.0316.C18.o1.gs	Method	GENSCAN
Start	1354	End	1589
GI	none	Score	.68
Exons	1354..1589		

Seq. No.	42535	Seq. ID	OJ000203_06.0316.C19
Gene No.	88684	Strand	+
Start	318	End	4037
Name	OJ000203_06.0316.C19.o1.gs	Method	GENSCAN
Start	318	End	4037
GI	none	Score	.42
Exons	318..386, 2284..2473, 2534..2843, 3187..3366, 3518..4037		

Seq. No.	42535	Seq. ID	OJ000203_06.0316.C19
Gene No.	88684	Strand	+
Start	318	End	4037
Name	OJ000203_06.0316.C19.o2.np	Method	AAT/NAP
Start	2256	End	3049
GI	5091602	Score	57
Exons	2256..2333, 2878..3049		
GI Descrip.	(AC007858) 10A19I.6 [Oryza sativa]		

Seq. No.	42535	Seq. ID	OJ000203_06.0316.C19
Gene No.	88684	Strand	+
Start	318	End	4037
Name	OJ000203_06.0316.C19.o1.gp	Method	AAT/GAP
Start	3580	End	3948
GI	none	Score	723
Exons	3580..3948		

Seq. No.	42535	Seq. ID	OJ000203_06.0316.C19
Gene No.	88684	Strand	+
Start	318	End	4037
Name	OJ000203_06.0316.C19.o3.np	Method	AAT/NAP
Start	3789	End	4033

GI	585322	Score	184
Exons	3789..4033		
GI Descrip.	INORGANIC PYROPHOSPHATASE (PYROPHOSPHATE PHOSPHO-HYDROLASE) (PPASE) gi|539751|pir||A45153 inorganic pyrophosphatase (EC 3.6.1.1) - bovine		

Seq. No.	42535	Seq. ID	OJ000203_06.0316.C19
Gene No.	88685	Strand	-
Start	2039	End	2520
Name	OJ000203_06.0316.C19.o1.np	Method	AAT/NAP
Start	2039	End	2520
GI	5091602	Score	382
Exons	2039..2520		
GI Descrip.	(AC007858) 10A19I.6 [Oryza sativa]		

Seq. No.	42535	Seq. ID	OJ000203_06.0316.C19
Gene No.	88686	Strand	
Start	2840	End	4039
Name	OJ000203_06.0316.C19.o1.tm	Method	TBLASTX:Maize
Start	2840	End	4039
GI	none	Score	49
Exons	2840..2920, 2932..2949, 2976..2999, 3686..3718, 3719..3754, 3720..3755, 3770..3787, 3795..4034, 3803..4036, 3935..4039		

Seq. No.	42535	Seq. ID	OJ000203_06.0316.C19
Gene No.	88686	Strand	
Start	2840	End	4039
Name	OJ000203_06.0316.C19.o1.tw	Method	TBLASTX:Wheat
Start	3629	End	3895
GI	none	Score	180
Exons	3629..3895, 3717..3893		

Seq. No.	42535	Seq. ID	OJ000203_06.0316.C19
Gene No.	88686	Strand	
Start	2840	End	4039
Name	OJ000203_06.0316.C19.o1.tc	Method	TBLASTX:Cress
Start	3795	End	4036
GI	none	Score	333
Exons	3795..4034, 3809..4036		

Seq. No.	42535	Seq. ID	OJ000203_06.0316.C19
Gene No.	88686	Strand	
Start	2840	End	4039
Name	OJ000203_06.0316.C19.o1.ts	Method	TBLASTX:Soybean
Start	3806	End	4034
GI	none	Score	344
Exons	3806..4033, 3807..4034		

Seq. No.	42536	Seq. ID	OJ000203_06.0316.C22
Gene No.	88687	Strand	+
Start	746	End	809
Name	OJ000203_06.0316.C22.o1.gs	Method	GENSCAN
Start	746	End	809
GI	none	Score	.91
Exons	746..809		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23

Gene No.	88688	Strand	+
Start	4259	End	5115
Name	OJ000203_06.0316.C23.o3.gs	Method	GENSCAN
Start	4259	End	5115
GI	none	Score	.4
Exons	4259..4843, 5002..5115		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88689	Strand	+
Start	5617	End	15033
Name	OJ000203_06.0316.C23.o1.np	Method	AAT/NAP
Start	5617	End	7732
GI	7363272	Score	539
Exons	5617..5704, 6464..6865, 6895..7079, 7635..7732		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88689	Strand	+
Start	5617	End	15033
Name	OJ000203_06.0316.C23.o2.np	Method	AAT/NAP
Start	6443	End	11238
GI	421936	Score	149
Exons	6443..6563, 6960..7295, 7415..7492, 10948..11238		
GI Descrip.	glycine-rich protein - common tobacco gi|395147|emb|CAA52208.1| (X74106) glycine-rich protein [Nicotiana tabacum]		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88689	Strand	+
Start	5617	End	15033
Name	OJ000203_06.0316.C23.o3.np	Method	AAT/NAP
Start	9839	End	15033
GI	4680199	Score	840
Exons	9839..9977, 10665..10992, 11674..11967, 12017..12574, 12896..13578, 13664..13781, 13950..14103, 14998..15033		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88689	Strand	+
Start	5617	End	15033
Name	OJ000203_06.0316.C23.o5.gs	Method	GENSCAN
Start	11096	End	14106
GI	none	Score	.89
Exons	11096..11245, 11251..11415, 11665..11976, 12063..12533, 12813..12924, 13664..14106		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88690	Strand	-
Start	962	End	1315
Name	OJ000203_06.0316.C23.o1.gs	Method	GENSCAN
Start	962	End	1315
GI	none	Score	.73
Exons	962..1315		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88691	Strand	-
Start	3079	End	3492
Name	OJ000203_06.0316.C23.o2.gs	Method	GENSCAN

Start	3079	End	3492
GI	none	Score	.67
Exons	3079..3492		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88692	Strand	-
Start	6584	End	10859
Name	OJ000203_06.0316.C23.o4.gs	Method	GENSCAN
Start	6584	End	10859
GI	none	Score	.64
Exons	6584..6770, 6815..6907, 7000..7113, 8600..8726, 9730..9840, 10622..10859		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88693	Strand	-
Start	14679	End	14993
Name	OJ000203_06.0316.C23.o3.tm	Method	TBLASTX:Maize
Start	11791	End	11987
GI	none	Score	226
Exons	11791..11976, 11800..11967, 11802..11987, 11802..11981		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88693	Strand	-
Start	14679	End	14993
Name	OJ000203_06.0316.C23.o2.tm	Method	TBLASTX:Maize
Start	12312	End	12578
GI	none	Score	304
Exons	12312..12578, 12312..12554, 12377..12577		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88693	Strand	-
Start	14679	End	14993
Name	OJ000203_06.0316.C23.o4.tm	Method	TBLASTX:Maize
Start	13091	End	13331
GI	none	Score	151
Exons	13091..13240, 13092..13265, 13104..13247, 13135..13266, 13263..13331		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88693	Strand	-
Start	14679	End	14993
Name	OJ000203_06.0316.C23.o1.tw	Method	TBLASTX:Wheat
Start	13215	End	13580
GI	none	Score	268
Exons	13215..13580, 13274..13372, 13436..13525		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88693	Strand	-
Start	14679	End	14993
Name	OJ000203_06.0316.C23.o1.ts	Method	TBLASTX:Soybean
Start	13326	End	13812
GI	none	Score	170
Exons	13326..13586, 13663..13755, 13768..13812		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88693	Strand	-
Start	14679	End	14993

Name	OJ000203_06.0316.C23.o1.tm	Method	TBLASTX:Maize
Start	13334	End	13866
GI	none	Score	212
Exons	13334..13537, 13335..13547, 13654..13866, 13674..13862		

Seq. No.	42537	Seq. ID	OJ000203_06.0316.C23
Gene No.	88693	Strand	-
Start	14679	End	14993
Name	OJ000203_06.0316.C23.o6.gs	Method	GENSCAN
Start	14679	End	14993
GI	none	Score	.69
Exons	14679..14993		

Seq. No.	42538	Seq. ID	OJ000203_06.0316.C24
Gene No.	88694	Strand	+
Start	382	End	6526
Name	OJ000203_06.0316.C24.o1.gs	Method	GENSCAN
Start	382	End	3528
GI	none	Score	.77
Exons	382..467, 677..823, 1003..1062, 1648..1676, 2354..2758, 2925..3009, 3382..3528		

Seq. No.	42538	Seq. ID	OJ000203_06.0316.C24
Gene No.	88694	Strand	+
Start	382	End	6526
Name	OJ000203_06.0316.C24.o1.np	Method	AAT/NAP
Start	2388	End	6526
GI	1255448	Score	475
Exons	2388..2758, 2925..3009, 3174..3236, 3382..3540, 3724..3796, 3920..3985, 5348..5455, 5530..5693, 6478..6526		
GI Descrip.	(D50468) mitogen-activated protein kinase [Arabidopsis thaliana]		

Seq. No.	42538	Seq. ID	OJ000203_06.0316.C24
Gene No.	88695	Strand	+
Start	6489	End	6791
Name	OJ000203_06.0316.C24.o3.gs	Method	GENSCAN
Start	6489	End	6791
GI	none	Score	.97
Exons	6489..6791		

Seq. No.	42538	Seq. ID	OJ000203_06.0316.C24
Gene No.	88696	Strand	-
Start	4137	End	5694
Name	OJ000203_06.0316.C24.o1.tc	Method	TBLASTX:Cress
Start	3394	End	5694
GI	none	Score	76
Exons	3394..3477, 3461..3517, 3721..3798, 3722..3796, 3941..3985, 5369..5446, 5371..5445, 5530..5694, 5547..5693		

Seq. No.	42538	Seq. ID	OJ000203_06.0316.C24
Gene No.	88696	Strand	-
Start	4137	End	5694
Name	OJ000203_06.0316.C24.o1.ts	Method	TBLASTX:Soybean
Start	3721	End	5688
GI	none	Score	97
Exons	3721..3816, 3722..3796, 3726..3800, 3931..3981, 5369..5446, 5530..5688		

Seq. No.	42538	Seq. ID	OJ000203_06.0316.C24
Gene No.	88696	Strand	-
Start	4137	End	5694
Name	OJ000203_06.0316.C24.o1.tm	Method	TBLASTX:Maize
Start	3941	End	5688
GI	none	Score	78
Exons	3941..3985, 5362..5445, 5368..5442, 5369..5461, 5533..5688		

Seq. No.	42538	Seq. ID	OJ000203_06.0316.C24
Gene No.	88696	Strand	-
Start	4137	End	5694
Name	OJ000203_06.0316.C24.o2.gs	Method	GENSCAN
Start	4137	End	5479
GI	none	Score	.62
Exons	4137..4575, 5165..5238, 5279..5479		

Seq. No.	42539	Seq. ID	OJ000203_06.0316.C26
Gene No.	88697	Strand	+
Start	5364	End	5586
Name	OJ000203_06.0316.C26.o1.gp	Method	AAT/GAP
Start	5364	End	5586
GI	LIB3432-023-P1-K1-F6	Score	361
Exons	5364..5586		
GI Descrip.	'3850581 1.0e-26 (AC005278) EST gb_N96383 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	42539	Seq. ID	OJ000203_06.0316.C26
Gene No.	88698	Strand	-
Start	194	End	4865
Name	OJ000203_06.0316.C26.o1.np	Method	AAT/NAP
Start	194	End	4865
GI	6069646	Score	147
Exons	194..439, 4837..4865		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	42539	Seq. ID	OJ000203_06.0316.C26
Gene No.	88699	Strand	-
Start	5055	End	5722
Name	OJ000203_06.0316.C26.o2.gs	Method	GENSCAN
Start	5055	End	5722
GI	none	Score	.99
Exons	5055..5524, 5689..5722		

Seq. No.	42539	Seq. ID	OJ000203_06.0316.C26
Gene No.	88699	Strand	-
Start	5055	End	5722
Name	OJ000203_06.0316.C26.o2.np	Method	AAT/NAP
Start	5169	End	5414
GI	7484611	Score	215
Exons	5169..5414		
GI Descrip.	auxin-induced protein - common ice plant (fragment) gi|2995951|gb|AAC08401.1| (AF053564) auxin-induced protein		

[Mesembryanthemum crystallinum]

Seq. No.	42539	Seq. ID	OJ000203_06.0316.C26
Gene No.	88699	Strand	-
Start	5055	End	5722
Name	OJ000203_06.0316.C26.o1.ts	Method	TBLASTX:Soybean
Start	5178	End	5327
GI	none	Score	184
Exons	5178..5327		

Seq. No.	42540	Seq. ID	OJ000203_06.0316.C27
Gene No.	88700	Strand	-
Start	1381	End	1442
Name	OJ000203_06.0316.C27.o2.gs	Method	GENSCAN
Start	1381	End	1442
GI	none	Score	.92
Exons	1381..1442		

Seq. No.	42541	Seq. ID	OJ000203_06.0316.C28
Gene No.	88701	Strand	+
Start	1	End	412
Name	OJ000203_06.0316.C28.o1.gs	Method	GENSCAN
Start	1	End	412
GI	none	Score	.83
Exons	1..100, 219..412		

Seq. No.	42541	Seq. ID	OJ000203_06.0316.C28
Gene No.	88702	Strand	-
Start	1209	End	1454
Name	OJ000203_06.0316.C28.o2.gs	Method	GENSCAN
Start	1209	End	1454
GI	none	Score	.78
Exons	1209..1454		

Seq. No.	42542	Seq. ID	OJ000203_06.0316.C29
Gene No.	88703	Strand	+
Start	54	End	416
Name	OJ000203_06.0316.C29.o1.gs	Method	GENSCAN
Start	54	End	402
GI	none	Score	.87
Exons	54..402		

Seq. No.	42542	Seq. ID	OJ000203_06.0316.C29
Gene No.	88703	Strand	+
Start	54	End	416
Name	OJ000203_06.0316.C29.o1.tm	Method	TBLASTX:Maize
Start	184	End	416
GI	none	Score	245
Exons	184..408, 184..405, 213..416		

Seq. No.	42543	Seq. ID	OJ000203_06.0316.C31
Gene No.	88704	Strand	-
Start	1	End	1266
Name	OJ000203_06.0316.C31.o1.np	Method	AAT/NAP
Start	1	End	306
GI	7248394	Score	222
Exons	1..306		

GI Descrip. (AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)

Seq. No.	42543	Seq. ID	OJ000203_06.0316.C31
Gene No.	88704	Strand	-
Start	1	End	1266
Name	OJ000203_06.0316.C31.o1.gs	Method	GENSCAN
Start	13	End	1266
GI	none	Score	.44
Exons	13..275, 699..1266		

Seq. No.	42544	Seq. ID	OJ000203_06.0316.C32
Gene No.	88705	Strand	+
Start	493	End	2843
Name	OJ000203_06.0316.C32.o2.np	Method	AAT/NAP
Start	493	End	2843
GI	7106516	Score	106
Exons	493..652, 2825..2843		

GI Descrip. (AP001278) hypothetical protein [Oryza sativa]

Seq. No.	42544	Seq. ID	OJ000203_06.0316.C32
Gene No.	88706	Strand	-
Start	1	End	710
Name	OJ000203_06.0316.C32.o1.np	Method	AAT/NAP
Start	1	End	710
GI	7228450	Score	73
Exons	1..272, 620..710		

GI Descrip. (AP001366) hypothetical protein [Oryza sativa]

Seq. No.	42545	Seq. ID	OJ000203_06.0316.C34
Gene No.	88707	Strand	+
Start	1	End	840
Name	OJ000203_06.0316.C34.o1.np	Method	AAT/NAP
Start	1	End	840
GI	6437534	Score	89
Exons	1..25, 752..840		

GI Descrip. (AC012193) putative phorbol ester / diacylglycerol binding protein [Arabidopsis thaliana]

Seq. No.	42546	Seq. ID	OJ000203_06.0316.C36
Gene No.	88708	Strand	-
Start	95	End	4306
Name	OJ000203_06.0316.C36.o1.np	Method	AAT/NAP
Start	95	End	2089
GI	6552732	Score	852
Exons	95..257, 348..465, 1398..2089		

GI Descrip. (AC013482) T26F17.10 [Arabidopsis thaliana]

Seq. No.	42546	Seq. ID	OJ000203_06.0316.C36
Gene No.	88708	Strand	-
Start	95	End	4306
Name	OJ000203_06.0316.C36.o1.gp	Method	AAT/GAP
Start	96	End	455
GI	none	Score	536

Exons	96..257, 348..455		
Seq. No.	42546	Seq. ID	OJ000203_06.0316.C36
Gene No.	88708	Strand	-
Start	95	End	4306
Name	OJ000203_06.0316.C36.o2.tc	Method	TBLASTX:Cress
Start	98	End	418
GI	none	Score	86
Exons	98..277, 336..413, 342..413, 353..418		
Seq. No.	42546	Seq. ID	OJ000203_06.0316.C36
Gene No.	88708	Strand	-
Start	95	End	4306
Name	OJ000203_06.0316.C36.o2.ts	Method	TBLASTX:Soybean
Start	98	End	473
GI	none	Score	66
Exons	98..262, 99..164, 207..263, 350..472, 351..473		
Seq. No.	42546	Seq. ID	OJ000203_06.0316.C36
Gene No.	88708	Strand	-
Start	95	End	4306
Name	OJ000203_06.0316.C36.o2.tm	Method	TBLASTX:Maize
Start	108	End	434
GI	none	Score	129
Exons	108..263, 109..255, 110..262, 348..434, 350..433		
Seq. No.	42546	Seq. ID	OJ000203_06.0316.C36
Gene No.	88708	Strand	-
Start	95	End	4306
Name	OJ000203_06.0316.C36.o1.gs	Method	GENSCAN
Start	1398	End	4306
GI	none	Score	.4
Exons	1398..1737, 1763..2171, 2828..3009, 3164..3264, 3315..3360, 4196..4306		
Seq. No.	42546	Seq. ID	OJ000203_06.0316.C36
Gene No.	88708	Strand	-
Start	95	End	4306
Name	OJ000203_06.0316.C36.o1.ts	Method	TBLASTX:Soybean
Start	1441	End	2011
GI	none	Score	54
Exons	1441..1500, 1442..1498, 1498..1620, 1499..1612, 1642..1728, 1660..1707, 1715..1747, 1721..2011, 1767..2009		
Seq. No.	42546	Seq. ID	OJ000203_06.0316.C36
Gene No.	88708	Strand	-
Start	95	End	4306
Name	OJ000203_06.0316.C36.o1.tm	Method	TBLASTX:Maize
Start	1531	End	2021
GI	none	Score	132
Exons	1531..1728, 1532..1669, 1660..1707, 1715..1759, 1721..2020, 1767..2021		
Seq. No.	42546	Seq. ID	OJ000203_06.0316.C36
Gene No.	88708	Strand	-
Start	95	End	4306
Name	OJ000203_06.0316.C36.o1.tc	Method	TBLASTX:Cress

Start	1778	End	2012
GI	none	Score	63
Exons	1778..2011, 1917..2012		

Seq. No.	42547	Seq. ID	OJ000223_06.0316.C3
Gene No.	88709	Strand	+
Start	1	End	552
Name	OJ000223_06.0316.C3.o1.np	Method	AAT/NAP
Start	1	End	546
GI	4929803	Score	193
Exons	1..546		
GI Descrip.	(AF152555) putative zinc finger protein SHI [Arabidopsis thaliana]		

Seq. No.	42547	Seq. ID	OJ000223_06.0316.C3
Gene No.	88709	Strand	+
Start	1	End	552
Name	OJ000223_06.0316.C3.o1.gs	Method	GENSCAN
Start	64	End	552
GI	none	Score	.68
Exons	64..552		

Seq. No.	42548	Seq. ID	OJ000223_06.0316.C6
Gene No.	88710	Strand	+
Start	509	End	4245
Name	OJ000223_06.0316.C6.o1.gs	Method	GENSCAN
Start	509	End	4245
GI	none	Score	.41
Exons	509..625, 3337..3415, 3981..4245		

Seq. No.	42548	Seq. ID	OJ000223_06.0316.C6
Gene No.	88711	Strand	-
Start	3710	End	5768
Name	OJ000223_06.0316.C6.o1.gp	Method	AAT/GAP
Start	3710	End	4404
GI	13_1.R1084	Score	1012
Exons	3710..4236, 4360..4404		
GI Descrip.	'4406132/gb|AAD19872.1| 1.0e-116 (AF077760) MADS box protein [Oryza sativa]'		

Seq. No.	42548	Seq. ID	OJ000223_06.0316.C6
Gene No.	88711	Strand	-
Start	3710	End	5768
Name	OJ000223_06.0316.C6.o1.np	Method	AAT/NAP
Start	4069	End	5768
GI	5295980	Score	332
Exons	4069..4236, 4360..4404, 5739..5768		
GI Descrip.	(AB003323) MADS box-like protein [Oryza sativa]		

Seq. No.	42549	Seq. ID	OJ000223_06.0316.C7
Gene No.	88712	Strand	-
Start	1	End	1418
Name	OJ000223_06.0316.C7.o1.np	Method	AAT/NAP
Start	1	End	1418
GI	5295980	Score	227
Exons	1..25, 408..478, 927..1026, 1196..1418		
GI Descrip.	(AB003323) MADS box-like protein [Oryza sativa]		

Seq. No.	42549	Seq. ID	OJ000223_06.0316.C7
Gene No.	88712	Strand	-
Start	1	End	1418
Name	OJ000223_06.0316.C7.o1.gp	Method	AAT/GAP
Start	431	End	1259
GI	13_1.R1084	Score	322
Exons	431..478, 927..1026, 1196..1259		
GI Descrip.	'4406132/gb|AAD19872.1| 1.0e-116 (AF077760) MADS box protein [Oryza sativa]'		

Seq. No.	42549	Seq. ID	OJ000223_06.0316.C7
Gene No.	88712	Strand	-
Start	1	End	1418
Name	OJ000223_06.0316.C7.o1.gs	Method	GENSCAN
Start	746	End	1019
GI	none	Score	.92
Exons	746..844, 942..1019		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88713	Strand	+
Start	813	End	2451
Name	OJ000223_06.0316.C8.o1.gs	Method	GENSCAN
Start	813	End	2451
GI	none	Score	.51
Exons	813..938, 2386..2451		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88714	Strand	+
Start	3753	End	7056
Name	OJ000223_06.0316.C8.o2.gs	Method	GENSCAN
Start	3753	End	7056
GI	none	Score	.93
Exons	3753..5162, 5252..6231, 6536..6823, 6840..7056		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88714	Strand	+
Start	3753	End	7056
Name	OJ000223_06.0316.C8.o1.np	Method	AAT/NAP
Start	3810	End	7044
GI	6562259	Score	2152
Exons	3810..4931, 4962..5162, 5252..6231, 6536..6730, 6840..7044		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88715	Strand	+
Start	10155	End	11641
Name	OJ000223_06.0316.C8.o3.np	Method	AAT/NAP
Start	10155	End	11641
GI	5852093	Score	81
Exons	10155..10212, 11538..11641		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88716	Strand	+
Start	16591	End	18053
Name	OJ000223_06.0316.C8.o3.gp	Method	AAT/GAP

Start	16591	End	18053
GI	3_1.R1084	Score	2700
Exons	16591..17373, 17461..18053		
GI Descrip.	'3618312/dbj|BAA33202| 1.0e-116 (AB001884) zinc finger protein [Oryza sativa]'		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88716	Strand	+
Start	16591	End	18053
Name	OJ000223_06.0316.C8.o4.np	Method	AAT/NAP
Start	16762	End	17772
GI	3618312	Score	1610
Exons	16762..17373, 17461..17772		
GI Descrip.	(AB001884) zinc finger protein [Oryza sativa]		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o1.tc	Method	TBLASTX:Cress
Start	4800	End	5869
GI	none	Score	47
Exons	4800..4877, 4959..5036, 4961..5029, 5079..5165, 5093..5158, 5249..5581, 5254..5580, 5584..5664, 5585..5869, 5719..5862		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o1.tm	Method	TBLASTX:Maize
Start	4962	End	7059
GI	none	Score	116
Exons	4962..5039, 4967..5029, 5079..5165, 5093..5167, 5249..6232, 5251..5664, 5722..6015, 6076..6231, 6537..6731, 6539..6730, 6641..6733, 6838..7041, 6948..7046, 6958..7059		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o3.ts	Method	TBLASTX:Soybean
Start	5079	End	5542
GI	none	Score	139
Exons	5079..5165, 5093..5167, 5249..5542, 5257..5538		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o2.tw	Method	TBLASTX:Wheat
Start	5504	End	5835
GI	none	Score	306
Exons	5504..5833, 5563..5646, 5746..5835		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o2.ts	Method	TBLASTX:Soybean
Start	5543	End	7035
GI	none	Score	223
Exons	5543..5725, 5563..5664, 5684..6232, 5719..6231, 6536..6730,		

6537..6731, 6624..6731, 6838..7035

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o6.tc	Method	TBLASTX:Cress
Start	5870	End	6121
GI	none	Score	272
Exons	5870..6121, 5875..6015		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o3.tc	Method	TBLASTX:Cress
Start	6164	End	7032
GI	none	Score	96
Exons	6164..6232, 6166..6231, 6537..6731, 6539..6715, 6630..6731, 6647..6733, 6805..6879, 6838..7032		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o3.tw	Method	TBLASTX:Wheat
Start	6537	End	6906
GI	none	Score	54
Exons	6537..6584, 6539..6583, 6603..6746, 6620..6757, 6820..6906		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o2.np	Method	AAT/NAP
Start	6681	End	10029
GI	7296234	Score	582
Exons	6681..6733, 8024..8150, 8196..8632, 8832..8938, 9284..9455, 9970..10029		
GI Descrip.	(AE003590) CG3645 gene product [Drosophila melanogaster]		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o3.gs	Method	GENSCAN
Start	7891	End	9700
GI	none	Score	.71
Exons	7891..8632, 8832..8914, 9284..9700		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o5.ts	Method	TBLASTX:Soybean
Start	7942	End	8091
GI	none	Score	70
Exons	7942..8091, 7960..8091		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o4.tc	Method	TBLASTX:Cress

Start	7945	End	8265
GI	none	Score	114
Exons	7945..8172, 7952..8155, 7960..8169, 8182..8265, 8213..8263		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o2.tm	Method	TBLASTX:Maize
Start	7990	End	9452
GI	none	Score	45
Exons	7990..8031, 7990..8025, 8014..8631, 8031..8165, 8045..8629, 8829..8939, 8831..8941, 8832..8939, 8833..8940, 8834..8941, 9272..9451, 9273..9452		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o1.gp	Method	AAT/GAP
Start	8027	End	8556
GI	LIB3433-053-P1-K1-D3	Score	1016
Exons	8027..8556		
GI Descrip.	'1730621/sp|P53759|YMI0_YEAST 8.0e-23 HYPOTHETICAL 48.1 KD PROTEIN IN TUB1-CPR3 INTERGENIC REGION >gi_630106_pir__S48817 hypothetical protein YML079w - yeast (Saccharomyces cerevisiae) >gi_587531_emb_CAA86498_ (Z46373) orf, len: 423, CAI: 0.18, 27.4% identity in 307 aa overlap with S36201 S36201 hypothetical protein 1 - Rhizobium leguminosarum [Saccharomyces cerevisiae]'		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o1.ts	Method	TBLASTX:Soybean
Start	8092	End	9476
GI	none	Score	81
Exons	8092..8169, 8093..8155, 8097..8165, 8170..8631, 8213..8437, 8218..8625, 8498..8632, 8829..8939, 8829..8939, 8830..8940, 8831..8941, 8831..8941, 9267..9476, 9272..9475		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o2.tc	Method	TBLASTX:Cress
Start	8296	End	9475
GI	none	Score	174
Exons	8296..8604, 8305..8631, 8306..8632, 8829..8939, 8829..8939, 8830..8940, 8831..8941, 8831..8941, 9267..9473, 9272..9475		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o1.tw	Method	TBLASTX:Wheat
Start	8540	End	9476
GI	none	Score	135
Exons	8540..8632, 8542..8631, 8543..8632, 8548..8634, 8829..8963, 8831..8941, 9272..9475, 9273..9476		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8

Gene No.	88717	Strand	-
Start	6681	End	10029
Name	OJ000223_06.0316.C8.o2.gp	Method	AAT/GAP
Start	8884	End	9703
GI	uC-osf1cyp065d07b1	Score	886
Exons	8884..8938, 9284..9703		
GI Descrip.	'1730621/sp|P53759|YMI0_YEAST 4.0e-15 HYPOTHETICAL 48.1 KD PROTEIN IN TUB1-CPR3 INTERGENIC REGION >gi_630106_pir__S48817 hypothetical protein YML079w - yeast (Saccharomyces cerevisiae) >gi_587531_emb_CAA86498_ (Z46373) orf, len: 423, CAI: 0.18, 27.4% identity in 307 aa overlap with S36201 S36201 hypothetical protein 1 - Rhizobium leguminosarum [Saccharomyces cerevisiae]'		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88718	Strand	
Start	16741	End	17133
Name	OJ000223_06.0316.C8.o4.ts	Method	TBLASTX:Soybean
Start	16741	End	17115
GI	none	Score	97
Exons	16741..16902, 16753..16911, 16951..17115, 16957..17088		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88718	Strand	
Start	16741	End	17133
Name	OJ000223_06.0316.C8.o3.tm	Method	TBLASTX:Maize
Start	16744	End	17133
GI	none	Score	241
Exons	16744..16911, 16762..16830, 16774..16869, 16950..17054, 16951..17058, 16956..17084, 16957..17133		

Seq. No.	42550	Seq. ID	OJ000223_06.0316.C8
Gene No.	88718	Strand	
Start	16741	End	17133
Name	OJ000223_06.0316.C8.o5.tc	Method	TBLASTX:Cress
Start	16759	End	17127
GI	none	Score	172
Exons	16759..16911, 16762..16830, 16774..16902, 16950..17102, 16951..17127, 16956..17084, 16957..17088		

Seq. No.	42551	Seq. ID	OJ000223_06.0316.C9
Gene No.	88719	Strand	-
Start	1053	End	1274
Name	OJ000223_06.0316.C9.o1.gs	Method	GENSCAN
Start	1053	End	1274
GI	none	Score	.49
Exons	1053..1274		

Seq. No.	42552	Seq. ID	OJ000223_06.0316.C10
Gene No.	88720	Strand	+
Start	79	End	1448
Name	OJ000223_06.0316.C10.o1.np	Method	AAT/NAP
Start	79	End	1448
GI	6692128	Score	629
Exons	79..1313, 1365..1448		
GI Descrip.	(AC007654) T19E23.14 [Arabidopsis thaliana]		

Seq. No.	42552	Seq. ID	OJ000223_06.0316.C10

Gene No.	88720	Strand	+
Start	79	End	1448
Name	OJ000223_06.0316.C10.o1.gs	Method	GENSCAN
Start	132	End	1445
GI	none	Score	.76
Exons	132..1445		

Seq. No.	42552	Seq. ID	OJ000223_06.0316.C10
Gene No.	88721	Strand	-
Start	345	End	763
Name	OJ000223_06.0316.C10.o1.gp	Method	AAT/GAP
Start	345	End	763
GI	5038564	Score	788
Exons	345..763		

Seq. No.	42552	Seq. ID	OJ000223_06.0316.C10
Gene No.	88722	Strand	-
Start	4306	End	8664
Name	OJ000223_06.0316.C10.o2.gp	Method	AAT/GAP
Start	4075	End	6239
GI	2466_2.R1084	Score	2090
Exons	4075..4533, 4622..4758, 5456..5695, 5785..5960, 6142..6239		
GI Descrip.	'3757515 2.0e-58 (AC005167) hypothetical protein [Arabidopsis thaliana] >gi_4581130_gb_AAD24620.1_AC005825_27 (AC005825) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42552	Seq. ID	OJ000223_06.0316.C10
Gene No.	88722	Strand	-
Start	4306	End	8664
Name	OJ000223_06.0316.C10.o1.tm	Method	TBLASTX:Maize
Start	4283	End	6350
GI	none	Score	245
Exons	4283..4534, 4294..4536, 4306..4536, 4619..4759, 4619..4759, 4620..4763, 5450..5653, 5457..5654, 5458..5619, 5645..5695, 5646..5714, 5785..5838, 5929..5961, 6138..6260, 6140..6250, 6146..6220, 6147..6221, 6239..6340, 6251..6343, 6252..6350, 6258..6341		

Seq. No.	42552	Seq. ID	OJ000223_06.0316.C10
Gene No.	88722	Strand	-
Start	4306	End	8664
Name	OJ000223_06.0316.C10.o2.gs	Method	GENSCAN
Start	4306	End	8664
GI	none	Score	.64
Exons	4306..4533, 4622..4758, 5456..5516, 5621..5734, 5785..5960, 6142..6412, 8512..8664		

Seq. No.	42552	Seq. ID	OJ000223_06.0316.C10
Gene No.	88722	Strand	-
Start	4306	End	8664
Name	OJ000223_06.0316.C10.o2.np	Method	AAT/NAP
Start	4309	End	6244
GI	3757515	Score	893
Exons	4309..4758, 5456..5695, 5785..5972, 6142..6244		
GI Descrip.	(AC005167) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42552	Seq. ID	OJ000223_06.0316.C10

Gene No.	88722	Strand	-
Start	4306	End	8664
Name	OJ000223_06.0316.C10.o3.np	Method	AAT/NAP
Start	4384	End	6244
GI	3757515	Score	766
Exons	4384..4758, 5456..5695, 5785..5972, 6142..6244		
GI Descrip.	(AC005167) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42552	Seq. ID	OJ000223_06.0316.C10
Gene No.	88722	Strand	-
Start	4306	End	8664
Name	OJ000223_06.0316.C10.o1.ts	Method	TBLASTX:Soybean
Start	4468	End	5654
GI	none	Score	111
Exons	4468..4527, 4609..4749, 4622..4759, 4622..4771, 4623..4772, 5457..5654, 5458..5619		

Seq. No.	42552	Seq. ID	OJ000223_06.0316.C10
Gene No.	88722	Strand	-
Start	4306	End	8664
Name	OJ000223_06.0316.C10.o1.tc	Method	TBLASTX:Cress
Start	4709	End	6343
GI	none	Score	70
Exons	4709..4759, 4710..4763, 5446..5616, 5447..5629, 5457..5654, 5645..5695, 5649..5714, 5785..5832, 6143..6235, 6150..6236, 6251..6343		

Seq. No.	42553	Seq. ID	OJ000223_06.0316.C11
Gene No.	88723	Strand	-
Start	576	End	3304
Name	OJ000223_06.0316.C11.o1.np	Method	AAT/NAP
Start	576	End	3304
GI	4378066	Score	356
Exons	576..645, 2486..3304		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	42553	Seq. ID	OJ000223_06.0316.C11
Gene No.	88723	Strand	-
Start	576	End	3304
Name	OJ000223_06.0316.C11.o2.gs	Method	GENSCAN
Start	2304	End	3179
GI	none	Score	.77
Exons	2304..2619, 2671..2938, 3029..3179		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88724	Strand	+
Start	4488	End	7471
Name	OJ000223_06.0316.C12.o2.gs	Method	GENSCAN
Start	4488	End	7471
GI	none	Score	.47
Exons	4488..4506, 4659..4833, 5270..5378, 5484..5560, 7261..7471		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88725	Strand	-
Start	187	End	3658

Name	OJ000223_06.0316.C12.o1.gp	Method	AAT/GAP
Start	187	End	842
GI	none	Score	409
Exons	187..231, 421..516, 619..687, 790..842		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88725	Strand	-
Start	187	End	3658
Name	OJ000223_06.0316.C12.o1.gs	Method	GENSCAN
Start	187	End	3568
GI	none	Score	.49
Exons	187..231, 421..516, 688..853, 927..1090, 1670..1719, 2492..2517, 3075..3568		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88725	Strand	-
Start	187	End	3658
Name	OJ000223_06.0316.C12.o1.np	Method	AAT/NAP
Start	967	End	3553
GI	7485631	Score	590
Exons	967..1104, 1511..1570, 1670..1850, 3075..3553		
GI Descrip.	hypothetical protein F17K2.20 - Arabidopsis thaliana gi|2979560|gb|AAC06169.1| (AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88725	Strand	-
Start	187	End	3658
Name	OJ000223_06.0316.C12.o2.gp	Method	AAT/GAP
Start	3221	End	3658
GI	uC-osrocyp017f09b1	Score	857
Exons	3221..3658		
GI Descrip.	'2979560 5.0e-10 (AC003680) unknown protein [Arabidopsis thaliana]'		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88726	Strand	-
Start	7930	End	8655
Name	OJ000223_06.0316.C12.o3.gs	Method	GENSCAN
Start	7930	End	8655
GI	none	Score	1
Exons	7930..8655		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88727	Strand	-
Start	9292	End	12264
Name	OJ000223_06.0316.C12.o1.tm	Method	TBLASTX:Maize
Start	184	End	1739
GI	none	Score	65
Exons	184..234, 185..232, 408..512, 416..517, 418..519, 418..516, 619..690, 619..696, 623..721, 778..852, 779..853, 784..855, 788..859, 789..887, 915..1091, 919..1092, 926..1093, 926..1093, 1511..1570, 1512..1571, 1513..1581, 1634..1738, 1668..1739		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88727	Strand	-
Start	9292	End	12264

Name	OJ000223_06.0316.C12.o1.ts	Method	TBLASTX:Soybean
Start	430	End	3256
GI	none	Score	51
Exons	430..519, 646..696, 650..697, 778..852, 779..853, 926..1093, 984..1091, 1511..1573, 1511..1570, 1667..1849, 1668..1841, 1669..1842, 3074..3148, 3075..3149, 3182..3256, 3183..3254		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88727	Strand	-
Start	9292	End	12264
Name	OJ000223_06.0316.C12.o1.tc	Method	TBLASTX:Cress
Start	622	End	1093
GI	none	Score	134
Exons	622..714, 778..810, 796..831, 876..1091, 926..1093, 981..1091		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88727	Strand	-
Start	9292	End	12264
Name	OJ000223_06.0316.C12.o2.tc	Method	TBLASTX:Cress
Start	1667	End	3359
GI	none	Score	141
Exons	1667..1813, 1668..1814, 1668..1811, 1772..1849, 1808..1882, 3074..3148, 3083..3145, 3182..3355, 3183..3359		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88727	Strand	-
Start	9292	End	12264
Name	OJ000223_06.0316.C12.o4.gs	Method	GENSCAN
Start	9292	End	12185
GI	none	Score	.59
Exons	9292..9710, 9745..9960, 9998..10390, 10614..10680, 10861..10941, 11220..11284, 11498..11560, 12053..12185		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88727	Strand	-
Start	9292	End	12264
Name	OJ000223_06.0316.C12.o3.gp	Method	AAT/GAP
Start	10992	End	12264
GI	none	Score	1085
Exons	10992..11284, 11498..11566, 12053..12264		

Seq. No.	42554	Seq. ID	OJ000223_06.0316.C12
Gene No.	88727	Strand	-
Start	9292	End	12264
Name	OJ000223_06.0316.C12.o2.np	Method	AAT/NAP
Start	11202	End	12264
GI	6714296	Score	155
Exons	11202..11284, 11498..11545, 12022..12264		
GI Descrip.	(AC013354) F15H18.20 [Arabidopsis thaliana]		

Seq. No.	42555	Seq. ID	OJ000223_06.0316.C13
Gene No.	88728	Strand	+
Start	1785	End	3152
Name	OJ000223_06.0316.C13.o1.gs	Method	GENSCAN
Start	1785	End	3152
GI	none	Score	.84
Exons	1785..1858, 3053..3152		

Seq. No.	42556	Seq. ID	OJ000223_06.0316.C14
Gene No.	88729	Strand	-
Start	733	End	1068
Name	OJ000223_06.0316.C14.o1.gs	Method	GENSCAN
Start	733	End	1068
GI	none	Score	.75
Exons	733..864, 1030..1068		

Seq. No.	42557	Seq. ID	OJ000223_06.0316.C15
Gene No.	88730	Strand	+
Start	705	End	1315
Name	OJ000223_06.0316.C15.o1.gp	Method	AAT/GAP
Start	705	End	924
GI	none	Score	400
Exons	705..924		

Seq. No.	42557	Seq. ID	OJ000223_06.0316.C15
Gene No.	88730	Strand	+
Start	705	End	1315
Name	OJ000223_06.0316.C15.o1.np	Method	AAT/NAP
Start	713	End	1312
GI	7406663	Score	341
Exons	713..1312		
GI Descrip.	(AJ237985) putative ripening-related protein [Vitis vinifera]		

Seq. No.	42557	Seq. ID	OJ000223_06.0316.C15
Gene No.	88730	Strand	+
Start	705	End	1315
Name	OJ000223_06.0316.C15.o1.gs	Method	GENSCAN
Start	734	End	1315
GI	none	Score	.94
Exons	734..1315		

Seq. No.	42557	Seq. ID	OJ000223_06.0316.C15
Gene No.	88731	Strand	-
Start	1111	End	1599
Name	OJ000223_06.0316.C15.o1.tm	Method	TBLASTX:Maize
Start	799	End	1306
GI	none	Score	84
Exons	799..870, 803..856, 905..982, 928..981, 1024..1095, 1025..1096, 1049..1132, 1066..1221, 1091..1204, 1174..1254, 1202..1306		

Seq. No.	42557	Seq. ID	OJ000223_06.0316.C15
Gene No.	88731	Strand	-
Start	1111	End	1599
Name	OJ000223_06.0316.C15.o1.ts	Method	TBLASTX:Soybean
Start	803	End	1285
GI	none	Score	79
Exons	803..856, 905..970, 1024..1104, 1025..1108, 1112..1198, 1126..1233, 1211..1285		

Seq. No.	42557	Seq. ID	OJ000223_06.0316.C15
Gene No.	88731	Strand	-
Start	1111	End	1599
Name	OJ000223_06.0316.C15.o1.tc	Method	TBLASTX:Cress
Start	806	End	1303

GI	none	Score	60
Exons	806..853, 1025..1204, 1126..1203, 1205..1303		

Seq. No.	42557	Seq. ID	OJ000223_06.0316.C15
Gene No.	88731	Strand	-
Start	1111	End	1599
Name	OJ000223_06.0316.C15.o3.gp	Method	AAT/GAP
Start	1111	End	1599
GI	76317_1.R1084	Score	947
Exons	1111..1599		
GI Descrip.	'5281050/emb|CAB45986.1| 1.0e-14 (AL080318) putative protein [Arabidopsis thaliana]'		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88732	Strand	+
Start	223	End	1842
Name	OJ000223_06.0316.C20.o1.gs	Method	GENSCAN
Start	223	End	1842
GI	none	Score	.72
Exons	223..363, 1756..1842		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88733	Strand	+
Start	11447	End	13911
Name	OJ000223_06.0316.C20.o4.gs	Method	GENSCAN
Start	11447	End	13803
GI	none	Score	.59
Exons	11447..11657, 11755..11888, 11956..12062, 12152..12239, 13273..13803		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88733	Strand	+
Start	11447	End	13911
Name	OJ000223_06.0316.C20.o3.np	Method	AAT/NAP
Start	11458	End	13911
GI	7487455	Score	603
Exons	11458..11657, 11755..11873, 11956..12062, 12152..12239, 13273..13911		
GI Descrip.	hypothetical protein T26M18.70 - Arabidopsis thaliana gi|5002521|emb|CAB44324.1| (AL078606) putative protein [Arabidopsis thaliana] gi|7267886|emb|CAB78229.1| (AL161532) putative protein [Arabidopsis thaliana]		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88733	Strand	+
Start	11447	End	13911
Name	OJ000223_06.0316.C20.o3.gp	Method	AAT/GAP
Start	12202	End	13671
GI	LIB3479-006-Q6-K1-G7	Score	806
Exons	12202..12239, 13273..13671		
GI Descrip.	'5002521/emb|CAB44324.1| 5.0e-18 (AL078606) putative protein [Arabidopsis thaliana]'		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88734	Strand	-
Start	2948	End	8916
Name	OJ000223_06.0316.C20.o2.gs	Method	GENSCAN

Start	2948	End	8916
GI	none	Score	.7
Exons	2948..3243, 3340..3361, 3654..3818, 3868..3926, 4525..4777, 5070..5657, 5755..6112, 6191..6525, 6730..6786, 7602..7818, 8411..8526, 8572..8916		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88734	Strand	-
Start	2948	End	8916
Name	OJ000223_06.0316.C20.o1.gp	Method	AAT/GAP
Start	4184	End	5530
GI	31150_1.R1084	Score	2022
Exons	4184..4777, 5070..5530		
GI Descrip.	'4559388/gb|AAD23048.1|AC006526_13 2.0e-43 (AC006526) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88734	Strand	-
Start	2948	End	8916
Name	OJ000223_06.0316.C20.o1.np	Method	AAT/NAP
Start	4505	End	6525
GI	6850880	Score	2162
Exons	4505..4777, 5070..5657, 5755..6112, 6191..6525		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88734	Strand	-
Start	2948	End	8916
Name	OJ000223_06.0316.C20.o2.gp	Method	AAT/GAP
Start	5572	End	6021
GI	427165	Score	682
Exons	5572..5657, 5755..6021		
GI Descrip.	4559388/gb|AAD23048.1|AC006526_13 2.0e-43 (AC006526) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88735	Strand	-
Start	9340	End	9665
Name	OJ000223_06.0316.C20.o1.tm	Method	TBLASTX:Maize
Start	4501	End	6528
GI	none	Score	274
Exons	4501..4776, 4502..4777, 4502..4777, 4503..4778, 4513..4779, 4656..4778, 5070..5660, 5071..5658, 5752..5943, 5753..6115, 5755..6114, 6191..6517, 6199..6528, 6204..6473, 6205..6525		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88735	Strand	-
Start	9340	End	9665
Name	OJ000223_06.0316.C20.o2.tw	Method	TBLASTX:Wheat
Start	4508	End	4735
GI	none	Score	156
Exons	4508..4735, 4515..4727		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88735	Strand	-
Start	9340	End	9665
Name	OJ000223_06.0316.C20.o2.tc	Method	TBLASTX:Cress

Start	4514	End	4781
GI	none	Score	81
Exons	4514..4621, 4515..4619, 4517..4777, 4557..4778, 4656..4781		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88735	Strand	-
Start	9340	End	9665
Name	OJ000223_06.0316.C20.o1.ts	Method	TBLASTX:Soybean
Start	4580	End	6507
GI	none	Score	93
Exons	4580..4723, 4580..4777, 4581..4778, 4675..4827, 4677..4778, 5070..5639, 5070..5660, 5071..5658, 5753..6091, 5755..6114, 6199..6300, 6280..6507, 6305..6433, 6307..6504		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88735	Strand	-
Start	9340	End	9665
Name	OJ000223_06.0316.C20.o1.tw	Method	TBLASTX:Wheat
Start	5073	End	5441
GI	none	Score	139
Exons	5073..5384, 5076..5441, 5077..5418		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88735	Strand	-
Start	9340	End	9665
Name	OJ000223_06.0316.C20.o1.tc	Method	TBLASTX:Cress
Start	5088	End	6115
GI	none	Score	179
Exons	5088..5426, 5112..5423, 5155..5424, 5457..5687, 5458..5655, 5755..6114, 5756..6115		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88735	Strand	-
Start	9340	End	9665
Name	OJ000223_06.0316.C20.o3.tc	Method	TBLASTX:Cress
Start	6191	End	6438
GI	none	Score	123
Exons	6191..6418, 6193..6438, 6199..6420, 6314..6433		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88735	Strand	-
Start	9340	End	9665
Name	OJ000223_06.0316.C20.o2.np	Method	AAT/NAP
Start	9340	End	9665
GI	5441883	Score	104
Exons	9340..9665		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana BAC genomic sequence. (AC004482) [Oryza sativa]		

Seq. No.	42558	Seq. ID	OJ000223_06.0316.C20
Gene No.	88736	Strand	
Start	11590	End	12044
Name	OJ000223_06.0316.C20.o2.tm	Method	TBLASTX:Maize
Start	11590	End	12044
GI	none	Score	130
Exons	11590..11661, 11591..11659, 11591..11662, 11730..11861, 11742..11861, 11747..11875, 11952..12044, 11953..12042		

Seq. No.	42559	Seq. ID	OJ000223_06.0316.C21
Gene No.	88737	Strand	-
Start	1	End	2292
Name	OJ000223_06.0316.C21.o1.np	Method	AAT/NAP
Start	1	End	2171
GI	3757515	Score	89
Exons	1..22, 1680..1832, 2024..2171		
GI Descrip.	(AC005167) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42559	Seq. ID	OJ000223_06.0316.C21
Gene No.	88737	Strand	-
Start	1	End	2292
Name	OJ000223_06.0316.C21.o1.gs	Method	GENSCAN
Start	1019	End	2292
GI	none	Score	.78
Exons	1019..1240, 1395..1448, 1664..1878, 2061..2292		

Seq. No.	42559	Seq. ID	OJ000223_06.0316.C21
Gene No.	88737	Strand	-
Start	1	End	2292
Name	OJ000223_06.0316.C21.o1.tm	Method	TBLASTX:Maize
Start	2047	End	2250
GI	none	Score	87
Exons	2047..2160, 2056..2154, 2060..2155, 2176..2250, 2179..2250, 2192..2242		

Seq. No.	42560	Seq. ID	OJ000223_06.0316.C23
Gene No.	88738	Strand	+
Start	72	End	245
Name	OJ000223_06.0316.C23.o1.gs	Method	GENSCAN
Start	72	End	245
GI	none	Score	.79
Exons	72..245		

Seq. No.	42561	Seq. ID	OJ000223_06.0316.C25
Gene No.	88739	Strand	+
Start	383	End	469
Name	OJ000223_06.0316.C25.o1.gs	Method	GENSCAN
Start	383	End	469
GI	none	Score	.88
Exons	383..469		

Seq. No.	42562	Seq. ID	OJ000223_03.0330.C2
Gene No.	88740	Strand	+
Start	1	End	430
Name	OJ000223_03.0330.C2.o1.np	Method	AAT/NAP
Start	1	End	429
GI	4206209	Score	464
Exons	1..429		
GI Descrip.	(AF071527) putative glucan synthase component [Arabidopsis thaliana] gi|4263042|gb|AAD15311| (AC005142) putative glucan synthase component [Arabidopsis thaliana]		

Seq. No.	42562	Seq. ID	OJ000223_03.0330.C2
Gene No.	88740	Strand	+
Start	1	End	430

Name	OJ000223_03.0330.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	382
GI	none	Score	513
Exons	1..381, 2..52, 3..380, 317..382		

Seq. No.	42562	Seq. ID	OJ000223_03.0330.C2
Gene No.	88740	Strand	+
Start	1	End	430
Name	OJ000223_03.0330.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	408
GI	none	Score	123
Exons	1..225, 117..212, 235..408		

Seq. No.	42562	Seq. ID	OJ000223_03.0330.C2
Gene No.	88740	Strand	+
Start	1	End	430
Name	OJ000223_03.0330.C2.o1.tw	Method	TBLASTX:Wheat
Start	136	End	414
GI	none	Score	85
Exons	136..213, 235..414, 246..410		

Seq. No.	42562	Seq. ID	OJ000223_03.0330.C2
Gene No.	88740	Strand	+
Start	1	End	430
Name	OJ000223_03.0330.C2.o1.tc	Method	TBLASTX:Cress
Start	139	End	408
GI	none	Score	104
Exons	139..234, 235..408		

Seq. No.	42562	Seq. ID	OJ000223_03.0330.C2
Gene No.	88740	Strand	+
Start	1	End	430
Name	OJ000223_03.0330.C2.o1.gp	Method	AAT/GAP
Start	218	End	430
GI	LIB3432-005-P1-K1-B11	Score	388
Exons	218..430		
GI Descrip.	'4206209/gb|AAD11597.1|AAD11597 3.0e-21 (AF071527) putative glucan synthase component [Arabidopsis thaliana] >gi_4263042_gb_AAD15311_ (AC005142) putative glucan synthase component [Arabidopsis thaliana]'		

Seq. No.	42563	Seq. ID	OJ000223_03.0330.C3
Gene No.	88741	Strand	-
Start	913	End	2264
Name	OJ000223_03.0330.C3.o1.gp	Method	AAT/GAP
Start	913	End	2139
GI	4060_1.R1084	Score	1215
Exons	913..1402, 1981..2139		
GI Descrip.	'3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		

Seq. No.	42563	Seq. ID	OJ000223_03.0330.C3
Gene No.	88741	Strand	-
Start	913	End	2264
Name	OJ000223_03.0330.C3.o2.tm	Method	TBLASTX:Maize
Start	1246	End	1422
GI	none	Score	179

Exons	1246..1401, 1247..1405, 1270..1422		
Seq. No.	42563	Seq. ID	OJ000223_03.0330.C3
Gene No.	88741	Strand	-
Start	913	End	2264
Name	OJ000223_03.0330.C3.o1.tm	Method	TBLASTX:Maize
Start	1955	End	2264
GI	none	Score	222
Exons	1955..2263, 1968..2264		
Seq. No.	42564	Seq. ID	OJ000223_03.0330.C4
Gene No.	88742	Strand	-
Start	1	End	1460
Name	OJ000223_03.0330.C4.o1.np	Method	AAT/NAP
Start	1	End	584
GI	6714440	Score	68
Exons	1..62, 190..373, 516..584		
GI Descrip.	(AC011620) unknown protein [Arabidopsis thaliana]		
Seq. No.	42564	Seq. ID	OJ000223_03.0330.C4
Gene No.	88742	Strand	-
Start	1	End	1460
Name	OJ000223_03.0330.C4.o1.gp	Method	AAT/GAP
Start	215	End	368
GI	LIB3433-043-P1-K1-C7	Score	235
Exons	215..368		
GI Descrip.	'2245390 1.0e-09 (U89296) auxin response transcription factor 3; ARF3 [Arabidopsis thaliana]'		
Seq. No.	42564	Seq. ID	OJ000223_03.0330.C4
Gene No.	88742	Strand	-
Start	1	End	1460
Name	OJ000223_03.0330.C4.o1.gs	Method	GENSCAN
Start	215	End	1460
GI	none	Score	.69
Exons	215..411, 509..599, 1088..1460		
Seq. No.	42564	Seq. ID	OJ000223_03.0330.C4
Gene No.	88742	Strand	-
Start	1	End	1460
Name	OJ000223_03.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	221	End	319
GI	none	Score	80
Exons	221..319, 249..317		
Seq. No.	42564	Seq. ID	OJ000223_03.0330.C4
Gene No.	88742	Strand	-
Start	1	End	1460
Name	OJ000223_03.0330.C4.o2.gp	Method	AAT/GAP
Start	500	End	984
GI	28121_1.R1084	Score	921
Exons	500..984		
GI Descrip.	'3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		
Seq. No.	42565	Seq. ID	OJ000223_03.0330.C6
Gene No.	88743	Strand	-

Start	1	End	1255
Name	OJ000223_03.0330.C6.o1.np	Method	AAT/NAP
Start	1	End	1255
GI	6560763	Score	309
Exons	1..37, 305..408, 875..1255		
GI Descrip.	(AC010155) F3M18.14 [Arabidopsis thaliana]		

Seq. No.	42565	Seq. ID	OJ000223_03.0330.C6
Gene No.	88743	Strand	-
Start	1	End	1255
Name	OJ000223_03.0330.C6.o1.gs	Method	GENSCAN
Start	296	End	1097
GI	none	Score	.7
Exons	296..408, 875..1097		

Seq. No.	42566	Seq. ID	OJ000223_03.0330.C7
Gene No.	88744	Strand	-
Start	1	End	10630
Name	OJ000223_03.0330.C7.o1.np	Method	AAT/NAP
Start	1	End	6720
GI	6560763	Score	289
Exons	1..24, 102..181, 1023..1351, 4345..4551, 5150..5479, 5519..5677, 5796..5891, 6544..6720		
GI Descrip.	(AC010155) F3M18.14 [Arabidopsis thaliana]		

Seq. No.	42566	Seq. ID	OJ000223_03.0330.C7
Gene No.	88744	Strand	-
Start	1	End	10630
Name	OJ000223_03.0330.C7.o1.gs	Method	GENSCAN
Start	102	End	10630
GI	none	Score	.62
Exons	102..194, 295..485, 677..814, 5159..5677, 5796..5942, 6019..6291, 6631..7044, 10377..10584, 10628..10630		

Seq. No.	42566	Seq. ID	OJ000223_03.0330.C7
Gene No.	88744	Strand	-
Start	1	End	10630
Name	OJ000223_03.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	126	End	738
GI	none	Score	49
Exons	126..194, 210..272, 295..393, 325..390, 496..549, 496..549, 544..672, 566..628, 658..735, 661..738		

Seq. No.	42566	Seq. ID	OJ000223_03.0330.C7
Gene No.	88744	Strand	-
Start	1	End	10630
Name	OJ000223_03.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	5568	End	5850
GI	none	Score	84
Exons	5568..5681, 5593..5682, 5797..5850		

Seq. No.	42567	Seq. ID	OJ000223_03.0330.C9
Gene No.	88745	Strand	+
Start	1	End	1272
Name	OJ000223_03.0330.C9.o1.np	Method	AAT/NAP
Start	1	End	1272
GI	6560763	Score	471

Exons	1..75, 558..799, 895..1272		
GI Descrip.	(AC010155) F3M18.14 [Arabidopsis thaliana]		
Seq. No.	42567	Seq. ID	OJ000223_03.0330.C9
Gene No.	88745	Strand	+
Start	1	End	1272
Name	OJ000223_03.0330.C9.o1.gs	Method	GENSCAN
Start	590	End	1248
GI	none	Score	.56
Exons	590..799, 895..1248		
Seq. No.	42568	Seq. ID	OJ000223_03.0330.C10
Gene No.	88746	Strand	+
Start	1	End	2668
Name	OJ000223_03.0330.C10.o1.np	Method	AAT/NAP
Start	1	End	2668
GI	6560763	Score	493
Exons	1..331, 1229..1710, 1753..1851, 1951..2061, 2612..2668		
GI Descrip.	(AC010155) F3M18.14 [Arabidopsis thaliana]		
Seq. No.	42568	Seq. ID	OJ000223_03.0330.C10
Gene No.	88746	Strand	+
Start	1	End	2668
Name	OJ000223_03.0330.C10.o1.gs	Method	GENSCAN
Start	77	End	2082
GI	none	Score	.53
Exons	77..331, 1951..2082		
Seq. No.	42568	Seq. ID	OJ000223_03.0330.C10
Gene No.	88746	Strand	+
Start	1	End	2668
Name	OJ000223_03.0330.C10.o1.tc	Method	TBLASTX:Cress
Start	110	End	310
GI	none	Score	209
Exons	110..310, 130..303		
Seq. No.	42568	Seq. ID	OJ000223_03.0330.C10
Gene No.	88746	Strand	+
Start	1	End	2668
Name	OJ000223_03.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	185	End	1809
GI	none	Score	220
Exons	185..331, 190..345, 1226..1396, 1227..1385, 1228..1416, 1416..1550, 1417..1692, 1420..1692, 1590..1694, 1678..1809, 1685..1804, 1689..1808		
Seq. No.	42568	Seq. ID	OJ000223_03.0330.C10
Gene No.	88746	Strand	+
Start	1	End	2668
Name	OJ000223_03.0330.C10.o1.ts	Method	TBLASTX:Soybean
Start	219	End	1668
GI	none	Score	152
Exons	219..311, 220..330, 221..331, 1226..1366, 1480..1668, 1489..1668		
Seq. No.	42569	Seq. ID	OJ000223_03.0330.C11
Gene No.	88747	Strand	+
Start	1	End	1318

Name	OJ000223_03.0330.C11.o1.np	Method	AAT/NAP
Start	1	End	1318
GI	6560763	Score	78
Exons	1..41, 677..960, 1296..1318		
GI Descrip.	(AC010155) F3M18.14 [Arabidopsis thaliana]		

Seq. No.	42569	Seq. ID	OJ000223_03.0330.C11
Gene No.	88747	Strand	+
Start	1	End	1318
Name	OJ000223_03.0330.C11.o1.gs	Method	GENSCAN
Start	270	End	1248
GI	none	Score	.96
Exons	270..353, 684..935, 1163..1248		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88748	Strand	+
Start	13053	End	19992
Name	OJ000223_03.0330.C12.o3.np	Method	AAT/NAP
Start	13053	End	19992
GI	7290950	Score	169
Exons	13053..13096, 16014..16299, 16368..16457, 16869..16981, 17078..17152, 17713..17787, 18093..18163, 18252..18294, 18411..18491, 18593..18662, 19213..19364, 19697..19751, 19842..19889, 19972..19992		
GI Descrip.	(AE003444) CG11265 gene product [Drosophila melanogaster]		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88748	Strand	+
Start	13053	End	19992
Name	OJ000223_03.0330.C12.o4.gs	Method	GENSCAN
Start	15869	End	19886
GI	none	Score	.69
Exons	15869..16316, 16869..16986, 17035..17134, 17164..17316, 18093..18163, 18252..18294, 18593..18652, 18927..18992, 19267..19364, 19703..19751, 19842..19886		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88748	Strand	+
Start	13053	End	19992
Name	OJ000223_03.0330.C12.o2.gp	Method	AAT/GAP
Start	17809	End	18506
GI	uC-osflcyp107b12b1	Score	874
Exons	17809..18163, 18252..18294, 18411..18506		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88749	Strand	-
Start	1	End	3692
Name	OJ000223_03.0330.C12.o1.np	Method	AAT/NAP
Start	1	End	3692
GI	4206209	Score	3906
Exons	1..3692		
GI Descrip.	(AF071527) putative glucan synthase component [Arabidopsis thaliana] gi|4263042|gb|AAD15311| (AC005142) putative glucan synthase component [Arabidopsis thaliana]		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88749	Strand	-
Start	1	End	3692
Name	OJ000223_03.0330.C12.o1.gs	Method	GENSCAN
Start	78	End	3684
GI	none	Score	.47
Exons	78..2628, 2680..2845, 2957..3684		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88749	Strand	-
Start	1	End	3692
Name	OJ000223_03.0330.C12.o1.gp	Method	AAT/GAP
Start	1475	End	1621
GI	LIB3479-010-Q6-K1-C10	Score	278
Exons	1475..1621		
GI Descrip.	'4206209/gb|AAD11597.1|AAD11597 3.0e-12 (AF071527) putative glucan synthase component [Arabidopsis thaliana] >gi_4263042_gb_AAD15311_ (AC005142) putative glucan synthase component [Arabidopsis thaliana]'		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	852
GI	none	Score	107
Exons	1..309, 2..115, 4..291, 168..317, 382..513, 691..852		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o1.ts	Method	TBLASTX:Soybean
Start	1	End	318
GI	none	Score	233
Exons	1..318, 2..241		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o1.tc	Method	TBLASTX:Cress
Start	46	End	309
GI	none	Score	70
Exons	46..102, 47..103, 103..309, 104..241, 118..291		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o2.ts	Method	TBLASTX:Soybean
Start	691	End	1161
GI	none	Score	53
Exons	691..813, 695..808, 817..1161, 868..1128, 875..1141		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o2.tc	Method	TBLASTX:Cress

Start	878	End	1092
GI	none	Score	169
Exons	878..1084, 883..1092, 890..1084		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o2.tm	Method	TBLASTX:Maize
Start	898	End	1266
GI	none	Score	234
Exons	898..1191, 899..1192, 905..1192, 1047..1220, 1187..1264, 1189..1266		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o6.tm	Method	TBLASTX:Maize
Start	1510	End	2067
GI	none	Score	104
Exons	1510..1689, 1735..1806, 1924..2067		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o3.tm	Method	TBLASTX:Maize
Start	2068	End	2361
GI	none	Score	114
Exons	2068..2139, 2140..2361, 2141..2344		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o3.tc	Method	TBLASTX:Cress
Start	2221	End	2496
GI	none	Score	67
Exons	2221..2496, 2225..2344		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o4.tm	Method	TBLASTX:Maize
Start	2650	End	2946
GI	none	Score	70
Exons	2650..2772, 2725..2826, 2734..2811, 2821..2946, 2866..2946		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o1.tw	Method	TBLASTX:Wheat
Start	3121	End	3438
GI	none	Score	71
Exons	3121..3225, 3149..3214, 3247..3375, 3373..3438		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o2.gs	Method	GENSCAN

Start	5743	End	10321
GI	none	Score	.61
Exons	5743..5776, 8833..9110, 9125..9332, 9446..9576, 9865..10181, 10207..10321		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88750	Strand	-
Start	5743	End	10373
Name	OJ000223_03.0330.C12.o2.np	Method	AAT/NAP
Start	9927	End	10373
GI	6498423	Score	166
Exons	9927..9976, 10017..10132, 10187..10373		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	42570	Seq. ID	OJ000223_03.0330.C12
Gene No.	88751	Strand	
Start	16876	End	17774
Name	OJ000223_03.0330.C12.o5.tm	Method	TBLASTX:Maize
Start	16876	End	17774
GI	none	Score	161
Exons	16876..16980, 16877..16981, 16878..16982, 16879..16983, 17075..17137, 17077..17136, 17676..17774, 17680..17772, 17688..17774		

Seq. No.	42571	Seq. ID	OJ000223_03.0330.C13
Gene No.	88752	Strand	+
Start	32	End	615
Name	OJ000223_03.0330.C13.o1.gs	Method	GENSCAN
Start	32	End	615
GI	none	Score	.55
Exons	32..239, 554..615		

Seq. No.	42571	Seq. ID	OJ000223_03.0330.C13
Gene No.	88753	Strand	+
Start	1310	End	1756
Name	OJ000223_03.0330.C13.o1.gp	Method	AAT/GAP
Start	1310	End	1756
GI	71481_1.R1084	Score	733
Exons	1310..1756		
GI Descrip.	'3660464/emb|AJ001753|ATI134T 1.0e-20 Arabidopsis thaliana mRNA for Inositol 1,3,4-Trisphosphate 5/6 Kinase'		

Seq. No.	42571	Seq. ID	OJ000223_03.0330.C13
Gene No.	88754	Strand	+
Start	1963	End	2403
Name	OJ000223_03.0330.C13.o2.gp	Method	AAT/GAP
Start	1963	End	2403
GI	6024955	Score	784
Exons	1963..2403		

Seq. No.	42571	Seq. ID	OJ000223_03.0330.C13
Gene No.	88755	Strand	-
Start	1619	End	2368
Name	OJ000223_03.0330.C13.o2.gs	Method	GENSCAN
Start	1619	End	2368
GI	none	Score	.8
Exons	1619..2368		

Seq. No.	42572	Seq. ID	OJ000223_03.0330.C17
Gene No.	88756	Strand	-
Start	1	End	1855
Name	OJ000223_03.0330.C17.o1.np	Method	AAT/NAP
Start	1	End	1855
GI	7484972	Score	601
Exons	1..357, 953..1037, 1127..1312, 1415..1471, 1570..1855		
GI Descrip.	gene ETTIN protein - Arabidopsis thaliana gi|3228517|gb|AAC23589.1| (AF007788) ETTIN [Arabidopsis thaliana]		

Seq. No.	42572	Seq. ID	OJ000223_03.0330.C17
Gene No.	88756	Strand	-
Start	1	End	1855
Name	OJ000223_03.0330.C17.o1.tc	Method	TBLASTX:Cress
Start	266	End	1762
GI	none	Score	115
Exons	266..367, 267..359, 951..1037, 952..1038, 1127..1246, 1137..1229, 1415..1477, 1570..1605, 1652..1762, 1654..1761		

Seq. No.	42572	Seq. ID	OJ000223_03.0330.C17
Gene No.	88756	Strand	-
Start	1	End	1855
Name	OJ000223_03.0330.C17.o1.gp	Method	AAT/GAP
Start	267	End	1250
GI	569467	Score	518
Exons	267..357, 953..1037, 1127..1250		
GI Descrip.	3228517 1.0e-43 (AF007788) ETTIN [Arabidopsis thaliana]		

Seq. No.	42572	Seq. ID	OJ000223_03.0330.C17
Gene No.	88756	Strand	-
Start	1	End	1855
Name	OJ000223_03.0330.C17.o1.gs	Method	GENSCAN
Start	267	End	1854
GI	none	Score	.78
Exons	267..357, 973..1037, 1127..1312, 1415..1471, 1570..1854		

Seq. No.	42572	Seq. ID	OJ000223_03.0330.C17
Gene No.	88756	Strand	-
Start	1	End	1855
Name	OJ000223_03.0330.C17.o1.tm	Method	TBLASTX:Maize
Start	320	End	1690
GI	none	Score	64
Exons	320..367, 321..359, 948..1037, 950..1036, 951..1037, 952..1038, 952..1050, 953..1081, 1126..1158, 1127..1234, 1137..1235, 1412..1477, 1413..1472, 1570..1605, 1571..1606, 1648..1689, 1652..1690		

Seq. No.	42572	Seq. ID	OJ000223_03.0330.C17
Gene No.	88756	Strand	-
Start	1	End	1855
Name	OJ000223_03.0330.C17.o1.ts	Method	TBLASTX:Soybean
Start	951	End	1216
GI	4306688	Score	79
Exons	951..1037, 952..1026, 1127..1216, 1146..1214		
GI Descrip.	-		

Seq. No.	42573	Seq. ID	OJ000223_03.0330.C19
Gene No.	88757	Strand	+
Start	1	End	3528
Name	OJ000223_03.0330.C19.o1.np	Method	AAT/NAP
Start	1	End	3528
GI	7106528	Score	90
Exons	1..37, 3394..3528		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	42574	Seq. ID	OJ000223_03.0330.C20
Gene No.	88758	Strand	+
Start	598	End	1546
Name	OJ000223_03.0330.C20.o1.gs	Method	GENSCAN
Start	598	End	1546
GI	none	Score	.8
Exons	598..722, 944..1094, 1123..1546		

Seq. No.	42574	Seq. ID	OJ000223_03.0330.C20
Gene No.	88759	Strand	+
Start	2463	End	3717
Name	OJ000223_03.0330.C20.o2.gs	Method	GENSCAN
Start	2463	End	3717
GI	none	Score	.46
Exons	2463..2627, 2941..3009, 3454..3717		

Seq. No.	42574	Seq. ID	OJ000223_03.0330.C20
Gene No.	88760	Strand	+
Start	6816	End	9293
Name	OJ000223_03.0330.C20.o1.np	Method	AAT/NAP
Start	6816	End	9293
GI	6721547	Score	95
Exons	6816..6917, 9213..9293		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	42574	Seq. ID	OJ000223_03.0330.C20
Gene No.	88761	Strand	-
Start	6750	End	8952
Name	OJ000223_03.0330.C20.o3.gs	Method	GENSCAN
Start	6750	End	8952
GI	none	Score	.75
Exons	6750..6766, 7747..7867, 8019..8052, 8905..8952		

Seq. No.	42575	Seq. ID	OJ000223_03.0330.C21
Gene No.	88762	Strand	+
Start	3095	End	19159
Name	OJ000223_03.0330.C21.o2.np	Method	AAT/NAP
Start	3095	End	19159
GI	6721512	Score	41
Exons	3095..3151, 5717..5827, 19106..19159		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	42575	Seq. ID	OJ000223_03.0330.C21
Gene No.	88762	Strand	+
Start	3095	End	19159
Name	OJ000223_03.0330.C21.o3.np	Method	AAT/NAP

Start	8043	End	16004
GI	7523517	Score	171
Exons	8043..8346, 15949..16004		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	42575	Seq. ID	OJ000223_03.0330.C21
Gene No.	88762	Strand	+
Start	3095	End	19159
Name	OJ000223_03.0330.C21.o3.gs	Method	GENSCAN
Start	12906	End	13403
GI	none	Score	.77
Exons	12906..13403		

Seq. No.	42575	Seq. ID	OJ000223_03.0330.C21
Gene No.	88762	Strand	+
Start	3095	End	19159
Name	OJ000223_03.0330.C21.o5.np	Method	AAT/NAP
Start	14814	End	18710
GI	6063557	Score	339
Exons	14814..15000, 15249..15434, 18627..18710		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	42575	Seq. ID	OJ000223_03.0330.C21
Gene No.	88763	Strand	-
Start	1	End	2650
Name	OJ000223_03.0330.C21.o1.np	Method	AAT/NAP
Start	1	End	2641
GI	130582	Score	511
Exons	1..20, 1527..2641		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	42575	Seq. ID	OJ000223_03.0330.C21
Gene No.	88763	Strand	-
Start	1	End	2650
Name	OJ000223_03.0330.C21.o1.gs	Method	GENSCAN
Start	479	End	2650
GI	none	Score	.43
Exons	479..710, 740..929, 1093..1129, 1401..2101, 2251..2650		

Seq. No.	42575	Seq. ID	OJ000223_03.0330.C21
Gene No.	88764	Strand	-
Start	10263	End	13751
Name	OJ000223_03.0330.C21.o4.np	Method	AAT/NAP
Start	10263	End	13751
GI	6006359	Score	74
Exons	10263..10317, 11865..11974, 13729..13751		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	42575	Seq. ID	OJ000223_03.0330.C21
Gene No.	88765	Strand	
Start	14524	End	17590
Name	OJ000223_03.0330.C21.o1.tm	Method	TBLASTX:Maize
Start	14524	End	17590
GI	none	Score	46

Exons	14524..14547, 14525..14548, 14545..14607, 14552..14614, 14553..14615, 14553..14615, 14707..14730, 14708..14731, 14731..14763, 14733..14762, 14734..14763, 14786..14809, 14788..14808, 16043..16081, 16067..16117, 16068..16106, 16107..16178, 16108..16179, 16211..16267, 16218..16262, 17162..17269, 17178..17264, 17182..17292, 17297..17344, 17298..17345, 17423..17464, 17424..17486, 17558..17590		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88766	Strand	+
Start	14604	End	14811
Name	OJ000223_03.0330.C22.o3.np	Method	AAT/NAP
Start	14604	End	14811
GI	1079136	Score	15
Exons	14604..14811		
GI Descrip.	RNA-binding protein cabeza - fruit fly (Drosophila melanogaster) gi|532788|gb|AAA86955.1| (U13178) RNA binding protein [Drosophila melanogaster] gi|567106|gb|AAC41563.1| (L37083) RNA binding protein [Drosophila melanogaster]		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o2.gs	Method	GENSCAN
Start	1971	End	3436
GI	none	Score	.8
Exons	1971..2058, 2535..2711, 3246..3436		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o1.np	Method	AAT/NAP
Start	2971	End	4770
GI	6983857	Score	1544
Exons	2971..3369, 3401..3858, 4028..4590, 4653..4770		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o3.gs	Method	GENSCAN
Start	4008	End	17722
GI	none	Score	.41
Exons	4008..4454, 6311..6477, 6850..7077, 8667..9278, 9390..9484, 12322..12527, 12622..12791, 14104..14260, 14811..14915, 15161..15335, 17640..17722		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o1.gp	Method	AAT/GAP
Start	4829	End	5020
GI	5667165	Score	356
Exons	4829..5020		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o2.np	Method	AAT/NAP
Start	6996	End	12533
GI	6560767	Score	737
Exons	6996..7074, 8944..9278, 12326..12533		
GI Descrip.	(AC010155) F3M18.9 [Arabidopsis thaliana]		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o1.tm	Method	TBLASTX:Maize
Start	8932	End	9157
GI	none	Score	274
Exons	8932..9141, 8933..9157		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o1.ts	Method	TBLASTX:Soybean
Start	8935	End	9259
GI	none	Score	320
Exons	8935..9258, 8945..9259		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o2.tc	Method	TBLASTX:Cress
Start	8965	End	9294
GI	none	Score	93
Exons	8965..9063, 8966..9058, 9142..9207, 9143..9187, 9175..9294, 9176..9280		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o3.gp	Method	AAT/GAP
Start	9213	End	12843
GI	45084_1.R1084	Score	877
Exons	9213..9284, 12333..12527, 12622..12843		
GI Descrip.	'2842493/emb|CAA16890.1| 7.0e-18 (AL021749) predicted protein [Arabidopsis thaliana]'		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o2.ts	Method	TBLASTX:Soybean
Start	12294	End	12789
GI	none	Score	175
Exons	12294..12509, 12325..12510, 12598..12660, 12733..12789		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o1.tc	Method	TBLASTX:Cress
Start	12385	End	12789

GI	none	Score	117
Exons	12385..12522, 12387..12515, 12598..12675, 12641..12664, 12748..12789		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o2.tm	Method	TBLASTX:Maize
Start	12432	End	12794
GI	none	Score	101
Exons	12432..12530, 12472..12534, 12617..12664, 12619..12684, 12620..12673, 12733..12792, 12740..12793, 12759..12794		

Seq. No.	42576	Seq. ID	OJ000223_03.0330.C22
Gene No.	88767	Strand	-
Start	1971	End	17722
Name	OJ000223_03.0330.C22.o4.gp	Method	AAT/GAP
Start	13429	End	13993
GI	72424_1.R1084	Score	75
Exons	13429..13485, 13969..13993		
GI Descrip.	'2842493/emb|CAA16890.1| 8.0e-32 (AL021749) predicted protein [Arabidopsis thaliana]'		

Seq. No.	42577	Seq. ID	OJ000223_03.0330.C23
Gene No.	88768	Strand	-
Start	3569	End	4953
Name	OJ000223_03.0330.C23.o1.np	Method	AAT/NAP
Start	3569	End	4953
GI	5923671	Score	341
Exons	3569..4311, 4411..4712, 4774..4953		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	42577	Seq. ID	OJ000223_03.0330.C23
Gene No.	88768	Strand	-
Start	3569	End	4953
Name	OJ000223_03.0330.C23.o1.ts	Method	TBLASTX:Soybean
Start	3628	End	4368
GI	none	Score	76
Exons	3628..3798, 3820..4050, 3820..4128, 3844..4197, 3952..4368, 4106..4183, 4106..4366, 4120..4224, 4159..4365, 4231..4338		

Seq. No.	42577	Seq. ID	OJ000223_03.0330.C23
Gene No.	88768	Strand	-
Start	3569	End	4953
Name	OJ000223_03.0330.C23.o1.tc	Method	TBLASTX:Cress
Start	3689	End	4386
GI	none	Score	81
Exons	3689..3736, 3820..4167, 3820..4104, 3898..4095, 3910..4260, 3965..4162, 4001..4051, 4004..4165, 4004..4279, 4006..4203, 4015..4365, 4081..4302, 4112..4348, 4118..4372, 4120..4386, 4186..4365, 4219..4293		

Seq. No.	42577	Seq. ID	OJ000223_03.0330.C23
Gene No.	88768	Strand	-
Start	3569	End	4953
Name	OJ000223_03.0330.C23.o1.tm	Method	TBLASTX:Maize
Start	3817	End	4368